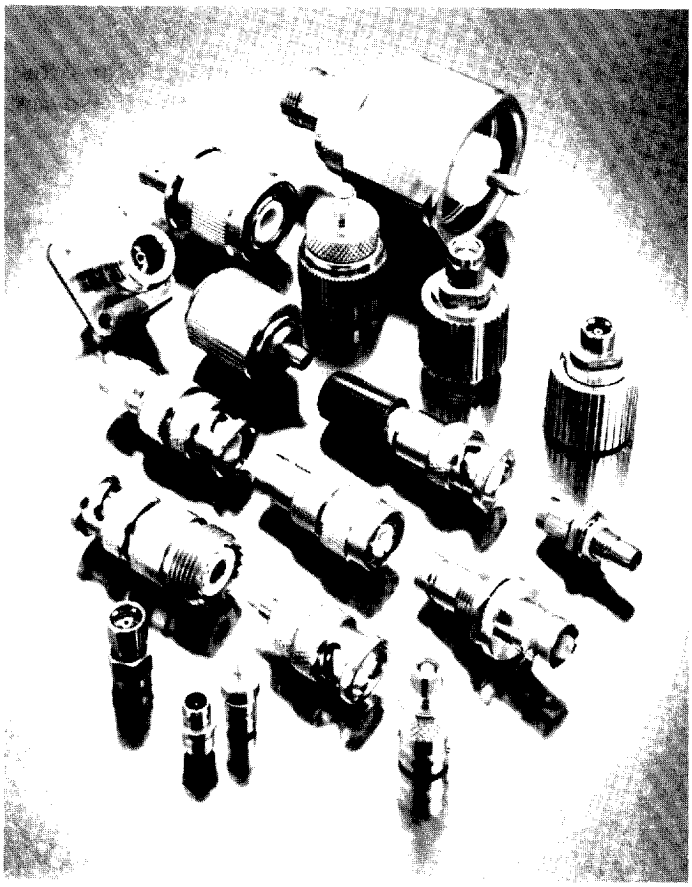
ADAPTERS



BETWEEN-SERIES COAXIAL ADAPTERS

RADIALL'S between-series adapters are used to make efficient low loss transitions between different series of coaxial connectors.

They are widely used in laboratory test applications and in system equipment applications where different connector types must be mated.

All RADIALL adapters are designed to offer the lowest VSWR attainable across the frequency range of the connectors involved.

The following selection guide is provided to help the user find the corresponding page in this catalog for the proper between-series adapter required.

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General	3
SELECTION GUIDE	4 - 5
BETWEEN SERIES ADAPTERS	6 - 34
Chronological table of Radiall part numbers	35
UG part numbers	35

All dimensions are given in inches (millimeters)

APC 7 ® TRADE MARK AMPHENOL

ADAPTERS
SELECTION GUIDE

Select one of the connector interface in the left hand column and line up with the other connector interface as shown in the row across the top. The intersection of these two will give the appropriate page number.

		APC7 7mm	SMA P	SMA J	SMA3,5 P	SMA3,5 J	SMB J	SMB P	SMC J	SMC P	SSMA P	SSMA J	SSMB J	SSMB P	BNC 50Ω P	BNC 50Ω J	BNC 75Ω P	BNC 75Ω J
SMA	P		32	○	○							7	7	7		12		
	J		32	○	○							7			13			
BMA	P		9	8	8/9													
	J		9	8	8													
SMB	J		33				○	○							13	13		
	P		33				○	○							14	14		
BNC	P		31		13		13	14	14						○	○	○	○
	J		31	12			13	14	14	15					○	○	○	○
N	P		31/34	21	21	22	23	23/24		24					17	17	17	17
	J		32/34	21/22	22	23	23	24	24	24/25	25				17	17	17	18
C	P		32													12		
	J		32				26											
MQ	P						29									27		
	J						29/30								27	27		
APC7 7mm	®		32	32	33	33	33	33	33	34	34	34			31	31		

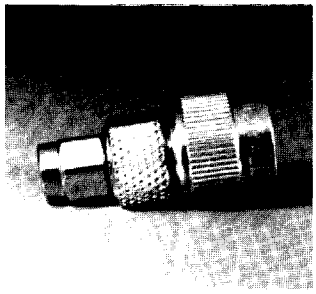
– Please note that when « plug » or « jack » (P - J) terminology is used, it refers to the connector's style of each adapter's end.
– All adapters interfaces meet or exceed the requirements of MIL-STD-348.
○ For all in-series adapters, please refer to the Radiall connector catalog for specific series.

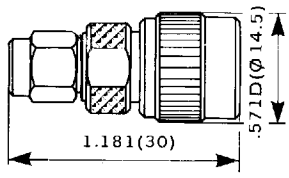
RADIALL® The Quality Connection

18		N 50 Ω		N 75 Ω		C		1,6/5,6		HN		LC		UHF		microclic		sockets			ban-ana
P	J	P	J	P	J	P	J	P	J	P	J	P	J	P	J	P	J	Ø2	Ø4		Ø4
		21	21/22																		
7		21	22																		
		23/24	24				26														
			24													10	10				
		17	17	17	17			11	11					12				15	15		
		17	17	17	18	12		11		12				12							16
		O	O	O	O		18	19	20						21						
		O	O	O	O	19	19	19	19	20		20	20	21							
			19			O	O				26										
		18	19			O	O			26				26							
			27	28	28										29						
		27	28	28	28			29						29							
	31	31/34	32/34			31	32														

SMA to TNC

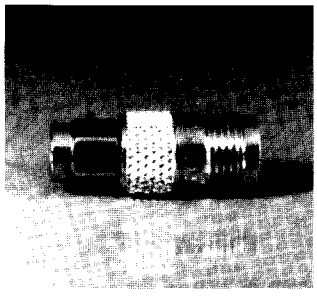
SMA PLUG to TNC PLUG

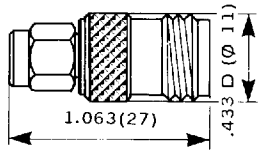




PART NUMBER	R 191 309
VSWR	0 - 11 GHz 1.22 Max.

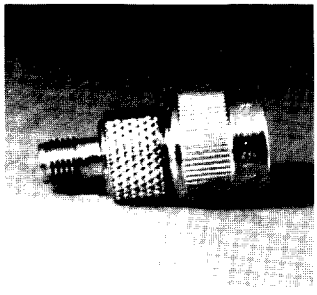
SMA PLUG to TNC JACK

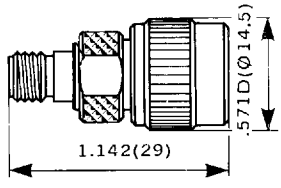




PART NUMBER	R 191 311
VSWR	0 - 11 GHz 1.22 Max.

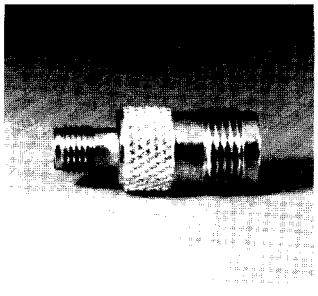
SMA JACK to TNC PLUG

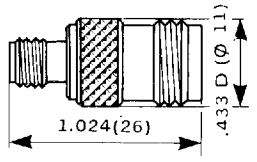




PART NUMBER	R 191 313
VSWR	0 - 11 GHz 1.22 Max.

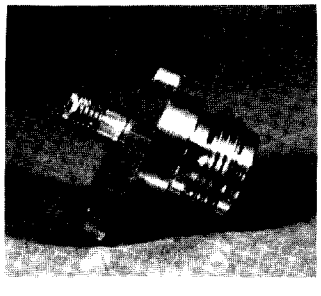
SMA JACK to TNC JACK

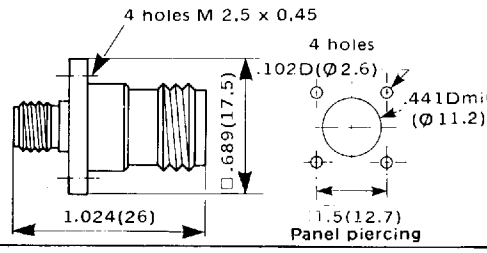




PART NUMBER	R 191 315
VSWR	0 - 11 GHz 1.22 Max.

SMA JACK to TNC JACK
Square flange



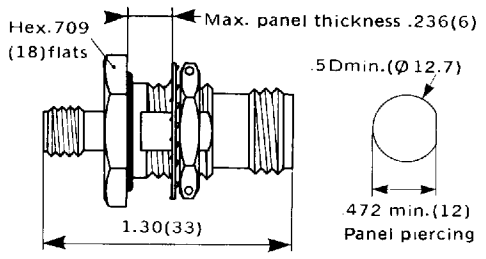


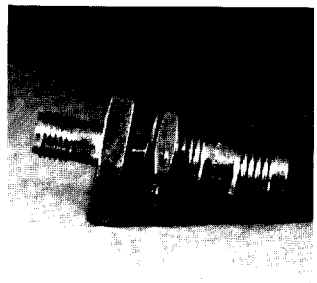
PART NUMBER	R 191 365
VSWR	0 - 11 GHz 1.22 Max.

SMA to TNC/SSMA/SSMB

SMA / SMA 3,5 JACK to TNC 18 GHz JACK
Panel sealed, bulkhead feedthrough

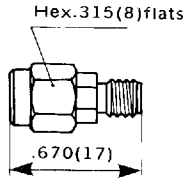
PART NUMBER	R 191 314 700	R 191 316 700
VSWR	0 - 18 GHz 1.50 Max.	0 - 18 GHz 1.06 +0.01 F (GHz)
Inner seal	YES	NO
Connector	SMA	SMA 3,5

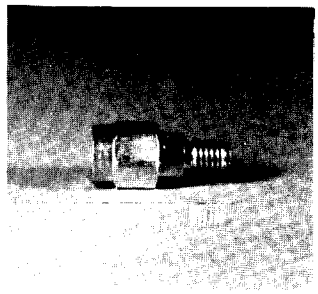




SMA PLUG to SSMA JACK

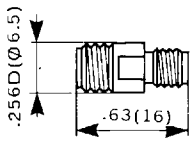
PART NUMBER	R 191 347

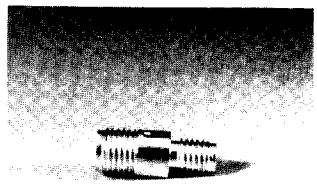




SMA JACK to SSMA JACK

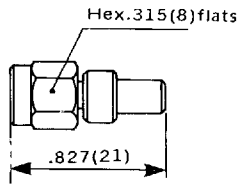
PART NUMBER	R 191 349

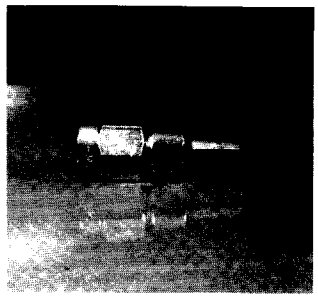




SMA PLUG to SSMB PLUG

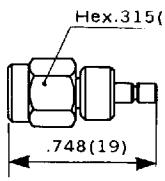
PART NUMBER	R 191 374

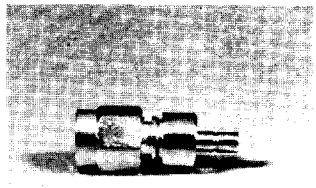




SMA PLUG to SSMB JACK

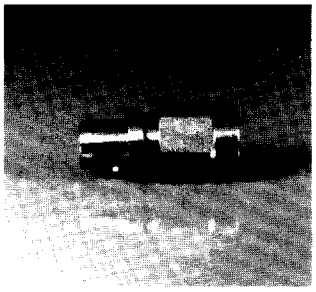
PART NUMBER	R 191 376

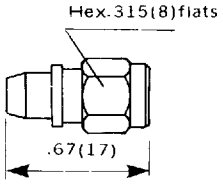




BMA to SMA

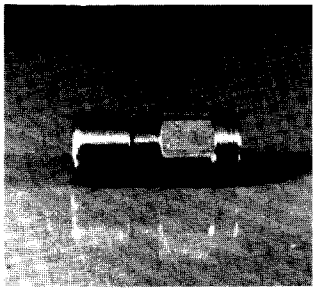
BMA PLUG to SMA PLUG

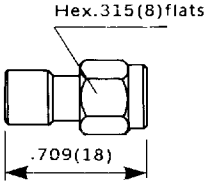




PART NUMBER	R 191 350 001
VSWR	0 - 18 GHz 1.05 +0.005 F (GHz)

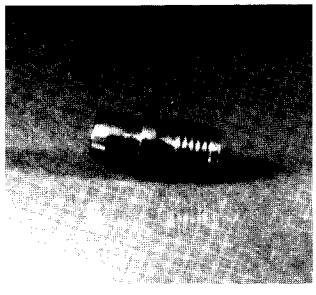
BMA JACK to SMA PLUG

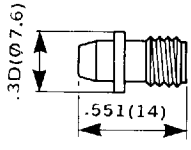




PART NUMBER	R 191 351 001
VSWR	0 - 18 GHz 1.05 +0.007 F (GHz)

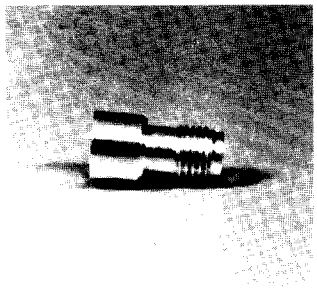
BMA PLUG to SMA JACK

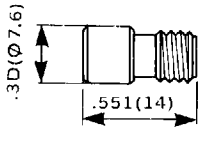




PART NUMBER	R 191 352 001
VSWR	0 - 18 GHz 1.05 +0.005 F (GHz)

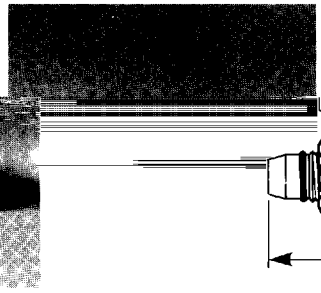
BMA JACK to SMA JACK

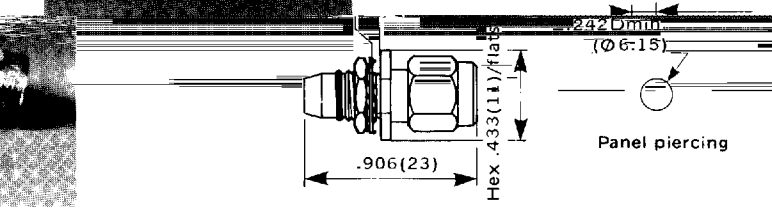




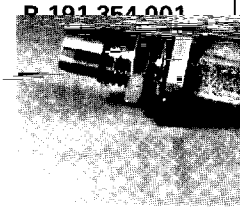
PART NUMBER	R 191 353 001
VSWR	0 - 18 GHz 1.05 +0.007 F (GHz)

BMA PLUG to SMA PLUG
Bulkhead feedthrough





PART NUMBER	R 191 354 001
VSWR	0 - 18 GHz 1.05 +0.005 F (GHz)

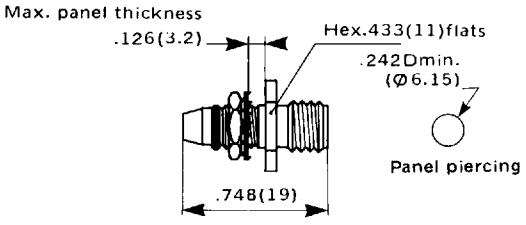


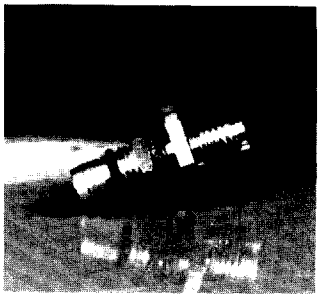
RADIAL
The Quality Connecti

BMA to SMA/APC 7

BMA PLUG to SMA JACK
Bulkhead feedthrough

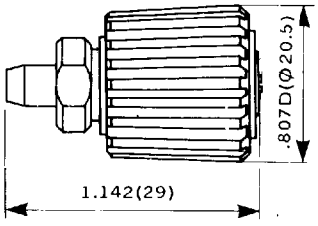
PART NUMBER	R 191 355 001
VSWR	0 - 18 GHz 1.05 + 0.005 F (GHz)

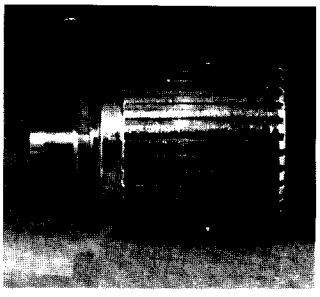




BMA PLUG to APC 7 ®

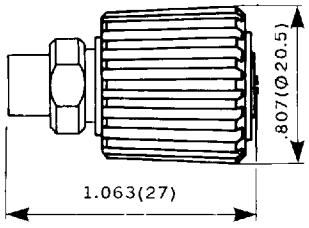
PART NUMBER	R 191 037
VSWR	0 - 18 GHz 1.03 + 0.003 F (GHz)

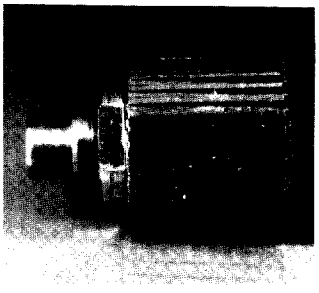




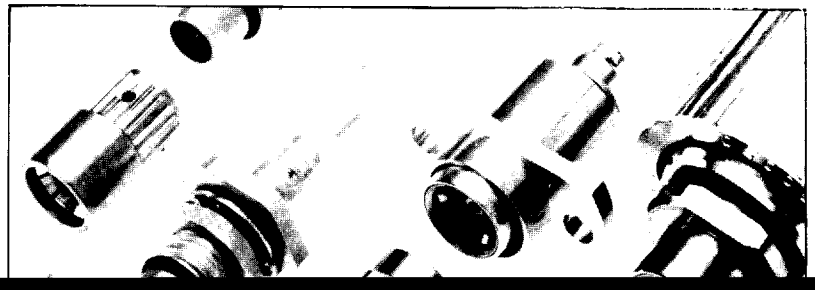
BMA JACK to APC 7 ®

PART NUMBER	R 191 039
VSWR	0 - 18 GHz 1.03 + 0.003 F (GHz)



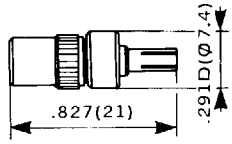


For our rack and bulkhead applications or your between modules assemblies, use BMA slide-in connectors.
(catalogs upon request)



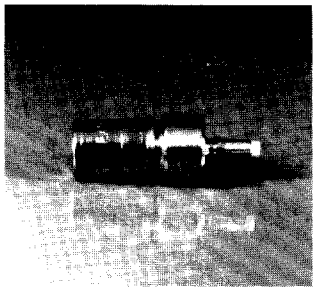
SMB to MICROCLIC

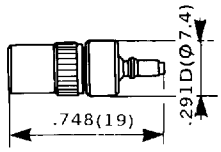
SMB PLUG to MICROCLIC PLUG



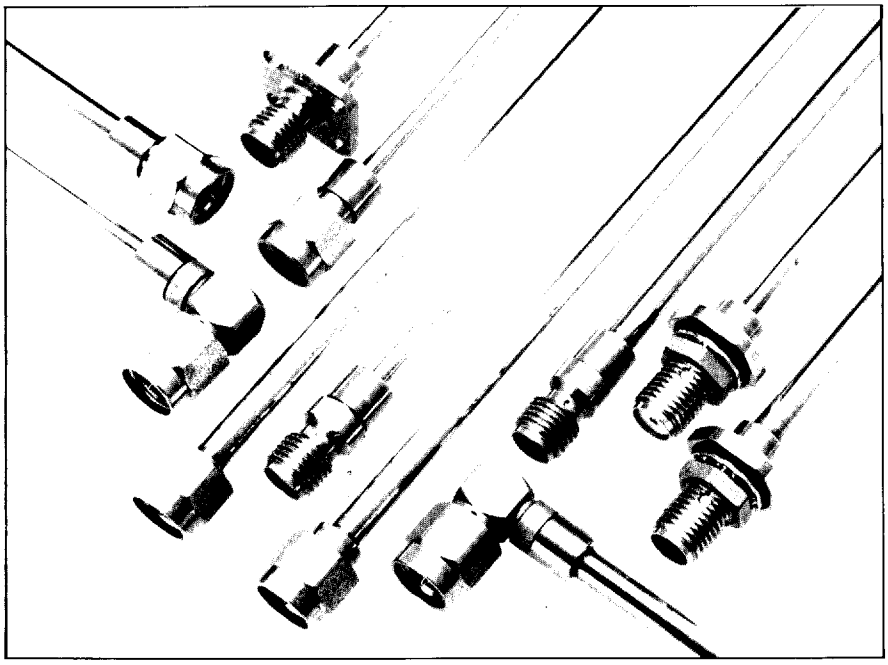
PART NUMBER	R 191 265

SMB PLUG to MICROCLIC JACK





PART NUMBER	R 191 267

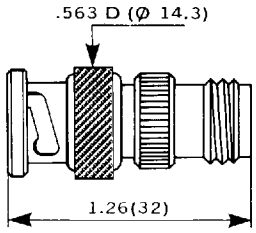


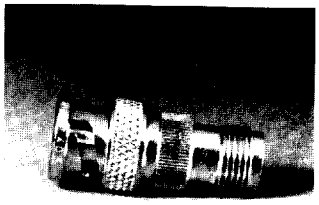
Save time during cabling and avoid soldering by using our SMA crimp on .085 and .141 semi-rigid cable connectors.
(catalogs upon request)

BNC to TNC/1,6/5,6

BNC PLUG to TNC JACK

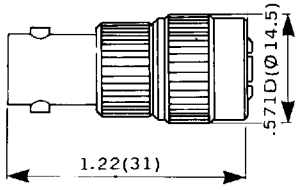
PART NUMBER	R 191 403

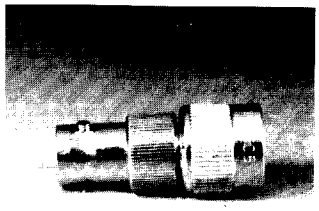




BNC JACK to TNC PLUG

PART NUMBER	R 191 405

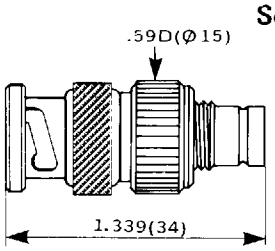


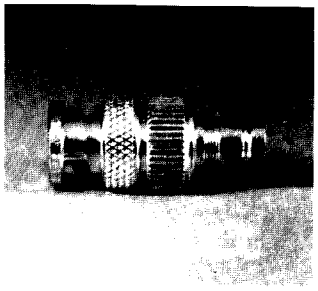


BNC PLUG to 1,6 / 5,6 JACK

Screw - on , snap - on

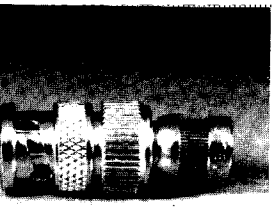
PART NUMBER	R 192 430
Impedance	75 Ω



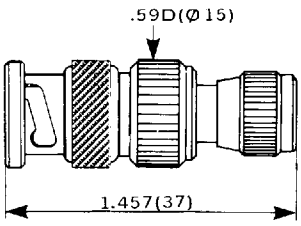


BNC PLUG to 1,6 / 5,6 PLUG

Screw - on



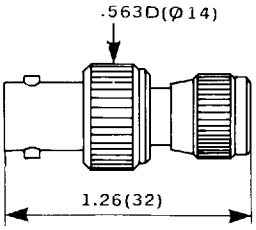
PART NUMBER	R 192 431
Impedance	75 Ω



BNC JACK to 1,6 / 5,6 PLUG

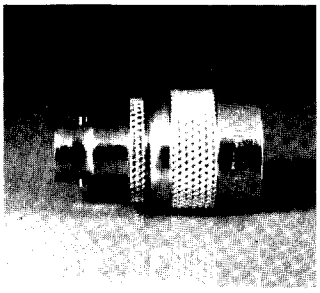
Screw - on

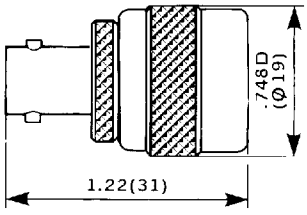
PART NUMBER	R 192 432
Impedance	75 Ω



BNC to C/HN/UHF/SMA

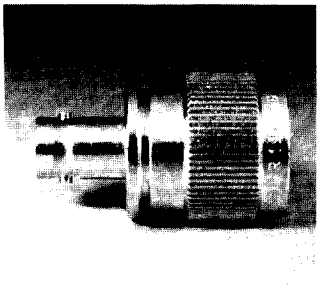
BNC JACK to C PLUG

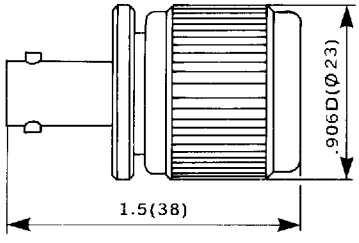




PART NUMBER	R 191 429

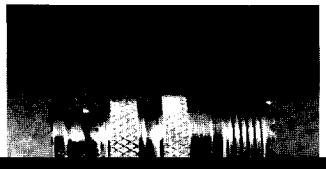
BNC JACK to HN PLUG

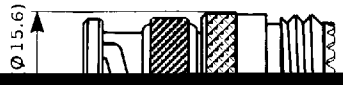




PART NUMBER	R 191 449

BNC PLUG to UHF JACK

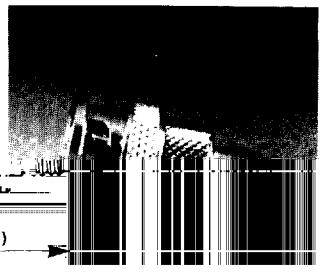




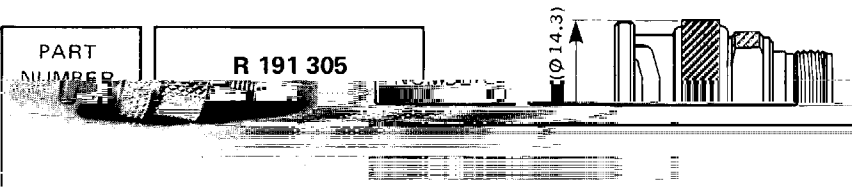
PART NUMBER	R 191 445

BNC to SMA/SMB

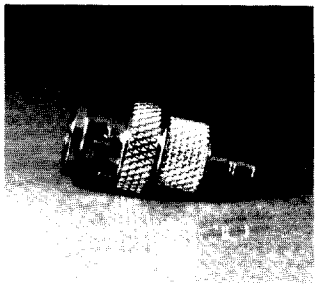
BNC PLUG to SMA JACK



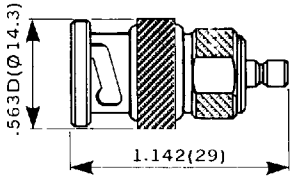
PART NUMBER	R 191 305



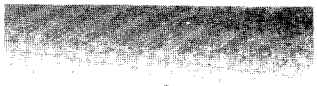
BNC PLUG to SMB JACK



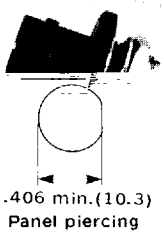
PART NUMBER	R 191 209

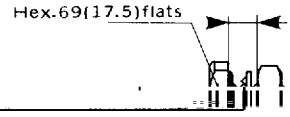


BNC JACK to SMB JACK
Bulkhead feedthrough

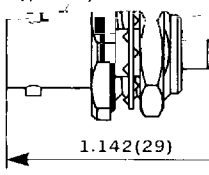


PART NUMBER	R 191 211 ★

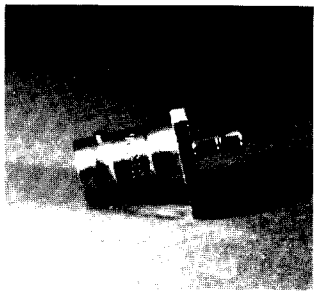




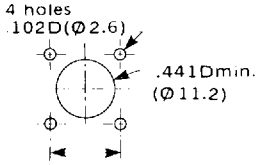
★ Chrome plated black



C JACK to SMB JACK
Square flange

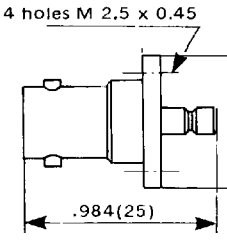


PART NUMBER	R 191 212

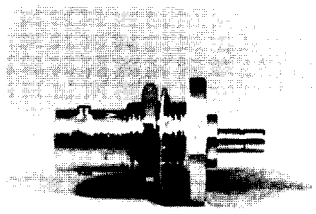


Panel piercing

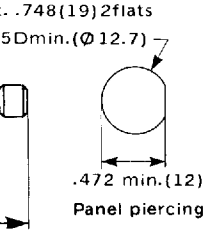
BN



IC JACK to SMB JACK
bulkhead feedthrough

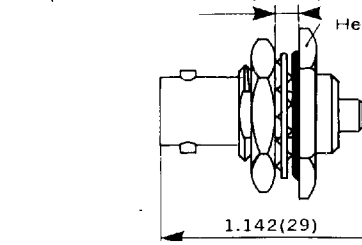


PART NUMBER	R 191 213



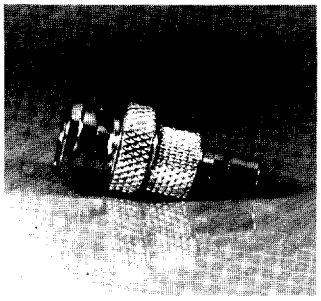
Panel piercing

BI
Panel sealed,

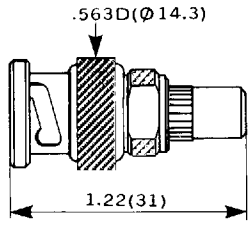


RADIALL® The Quality Connection

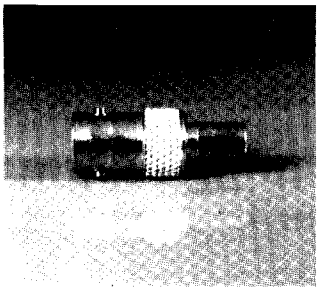
BNC to SMB/SMC



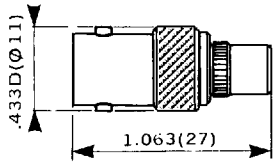
BNC PLUG to SMB PLUG



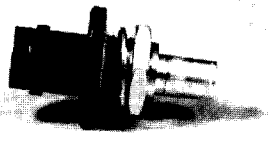
PART NUMBER	R 191 214



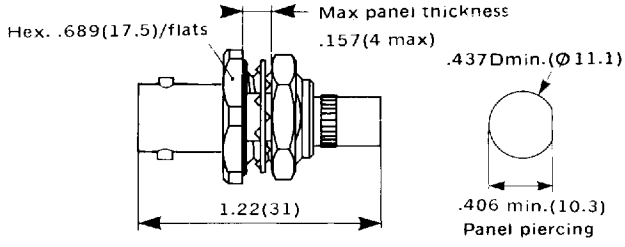
BNC JACK to SMB PLUG



PART NUMBER	R 191 215

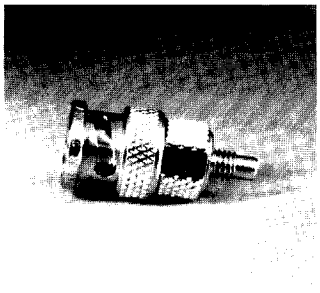


BNC JACK to SMB PLUG
Panel sealed, bulkhead feedthrough

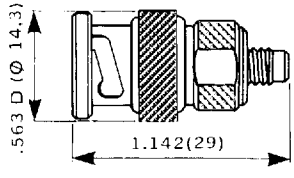


PART NUMBER	R 191 216 ★

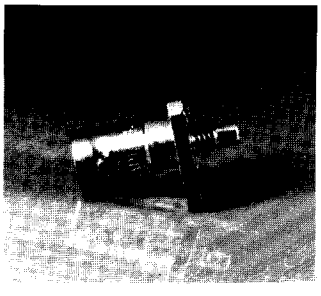
★ Chrome plated black



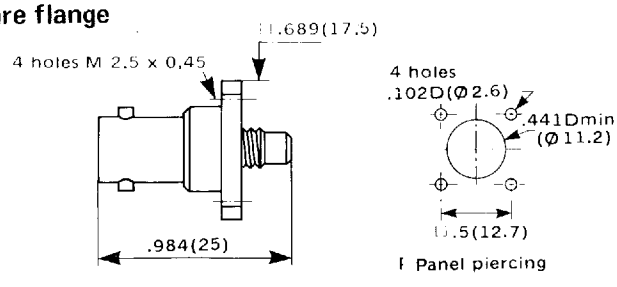
BNC PLUG to SMC JACK



PART NUMBER	R 191 117



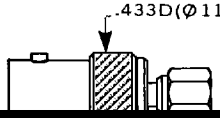
BNC JACK to SMC JACK
Square flange



PART NUMBER	R 191 120

BNC to SMC/Contacts

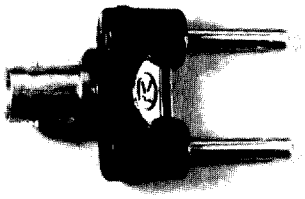
BNC JACK to SMC PLUG

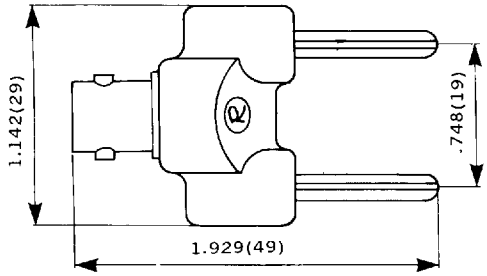


PART NUMBER	R 191 123

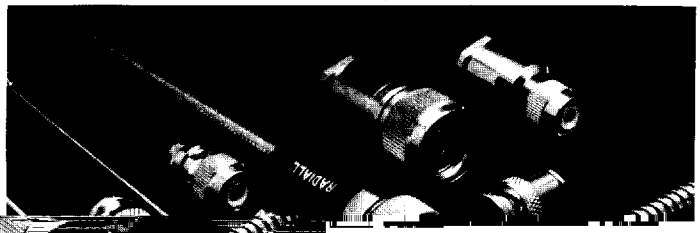
BNC to Banana

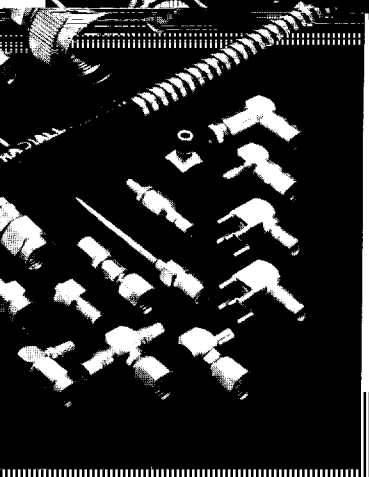
BNC JACK to 2 BANANA .157D (Ø4)





PART NUMBER	R 191 455





OTHER RADIALL PRODUCTS

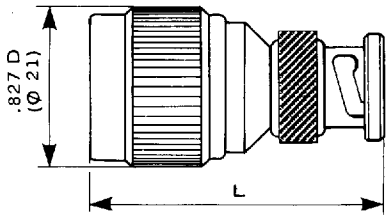
- Miniature
  SMA - SMB - SMC
- Standard
  50 and 75 Ω BNC
  50, 75 Ω, 18 GHz TNC
  50 and 75 Ω N
  UHF - Twinax
- High voltage
- RF hermetic seal
- RF cable assembly
- Accessories and assembly tools

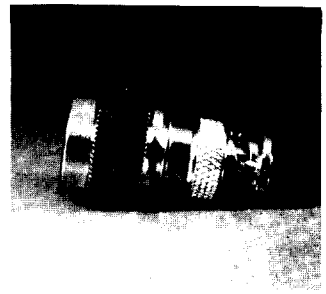
RADIALL® The Quality Connection

N to BNC

N PLUG to BNC PLUG

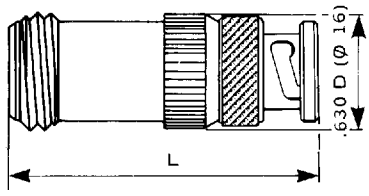
PART NUMBER	R 191 417	R 192 417
Impedance	50 Ω	75 Ω
L	1.535(39)	1.457(37)

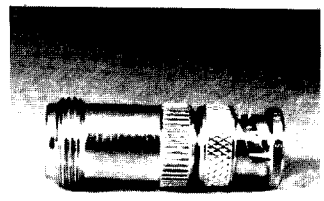




N JACK to BNC PLUG

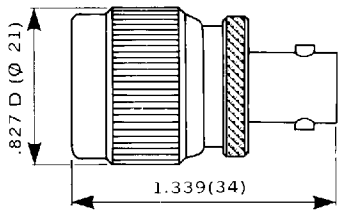
PART NUMBER	R 191 419	R 192 419
Impedance	50 Ω	75 Ω
L	1.654(42)	1.496(38)

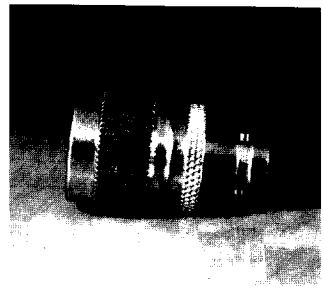




N PLUG to BNC JACK

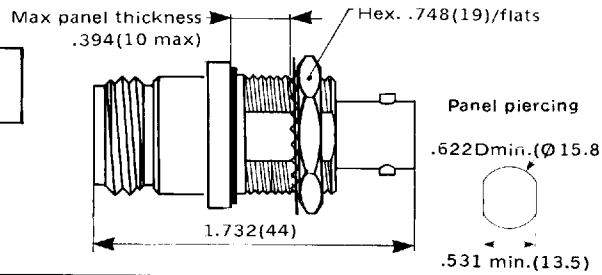
PART NUMBER	R 191 421	R 192 421
Impedance	50 Ω	75 Ω

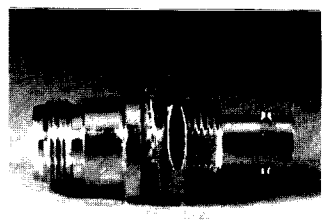




N JACK to BNC JACK
Panel sealed, bulkhead feedthrough

PART NUMBER	R 191 422

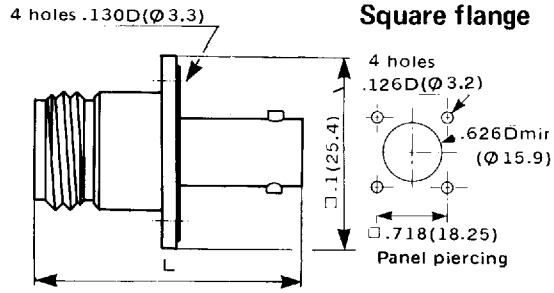


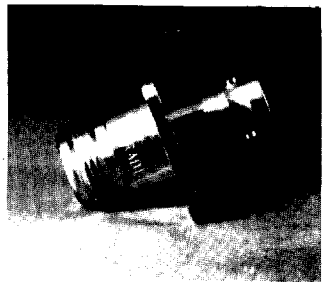


N JACK to BNC JACK
Square flange

PART NUMBER	R 191 424	R 191 426
Panel sealed	NO	YES
L	1.378(35)	1.575(40)

Gasket only for R 191 426

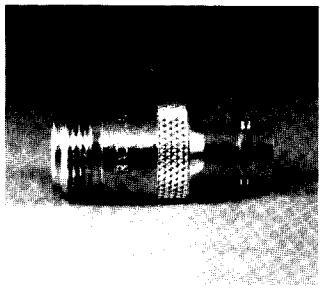


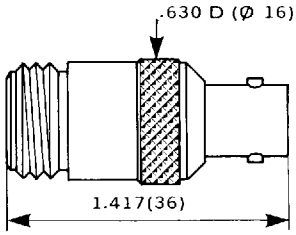


RADIALL® The Quality Connection

N to BNC/TNC/C

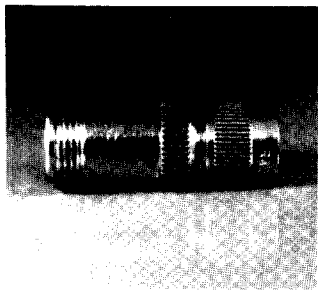
N JACK to BNC JACK

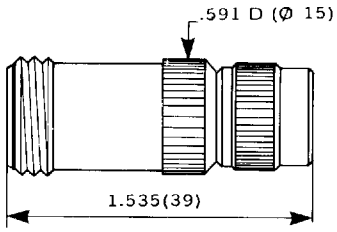




PART NUMBER	R 192 418
Impedance	75 Ω

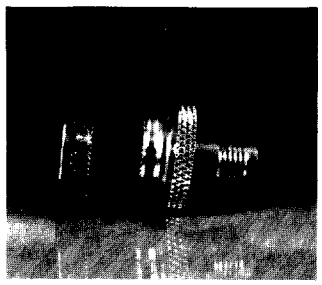
N JACK to TNC PLUG

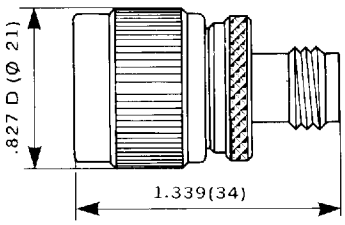




PART NUMBER	R 191 511
VSWR	0 - 11 GHz 1.22 Max.

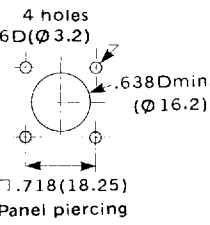
N PLUG to TNC JACK



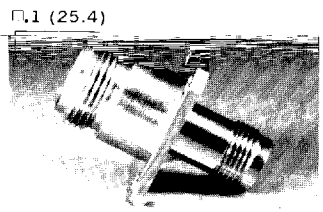


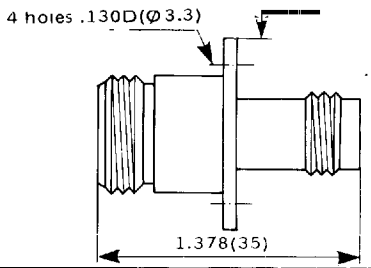
PART NUMBER	R 191 513
VSWR	0 - 11 GHz 1.22 Max.

N JACK to TNC JACK
Square flange

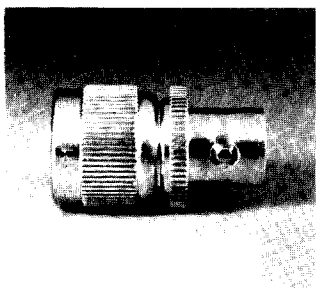


PART NUMBER	R 191 514

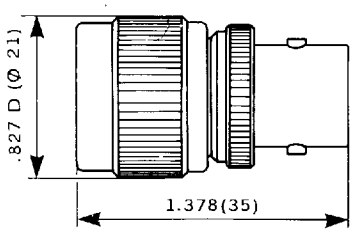




N PLUG to C JACK



PART NUMBER	R 191 703

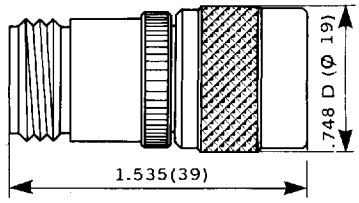


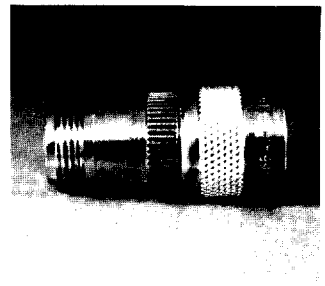
RADIALL® The Quality Connection

N to C/1,6/5,6

N JACK to C PLUG

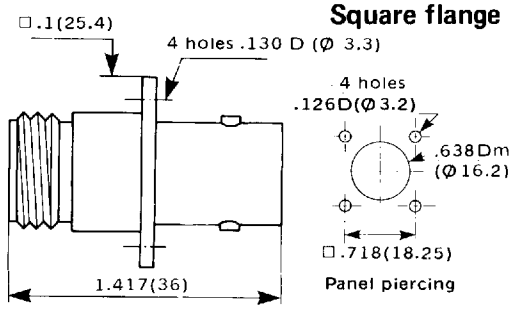
PART NUMBER	R 191 705

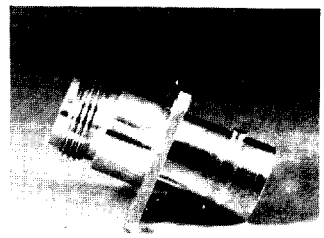




N JACK to C JACK
Square flange

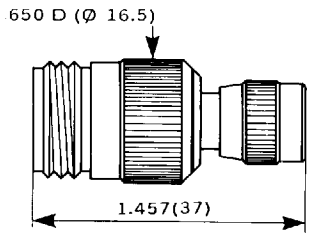
PART NUMBER	R 191 708

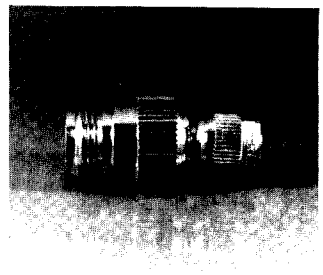




N JACK to 1,6 / 5,6 PLUG
Screw-on

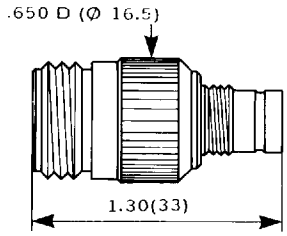
PART NUMBER	R 192 770
Impedance	75 Ω

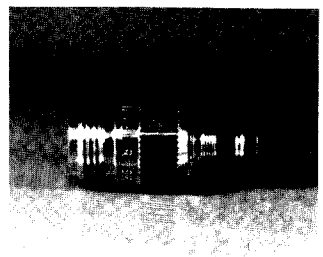




N JACK to 1,6 /5,6 JACK
Screw-on, snap-on

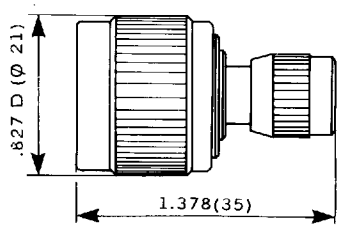
PART NUMBER	R 192 771
Impedance	75 Ω

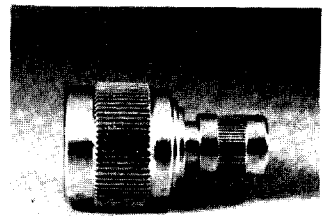




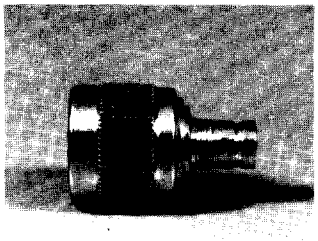
N PLUG to 1,6 / 5,6 PLUG
Screw-on

PART NUMBER	R 192 775
Impedance	75 Ω

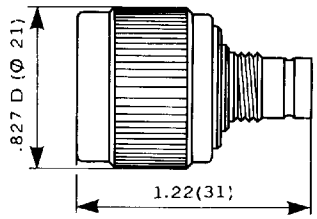




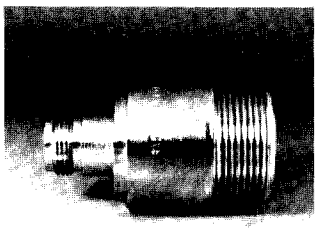
N to 1,6/5,6/LC/HN



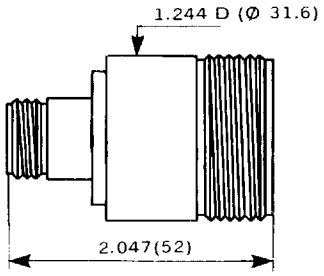
N PLUG to 1,6 /5,6 JACK
Scew-on , snap-on



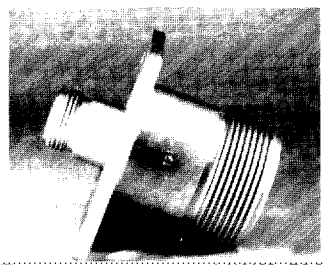
PART NUMBER	R 192 777
Impedance	75 Ω



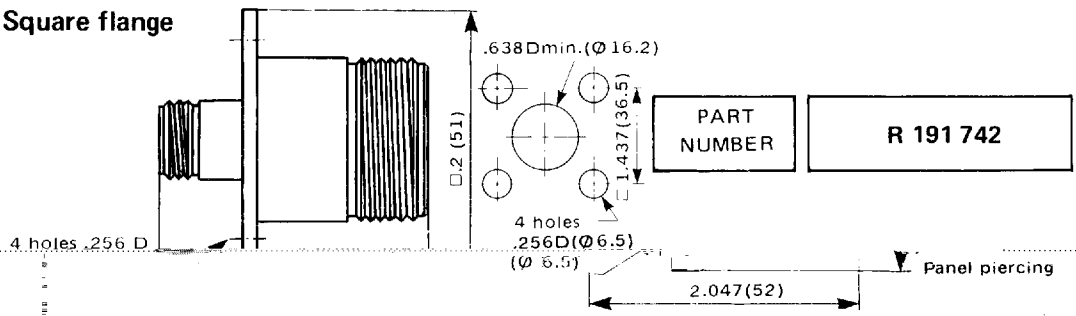
N JACK to LC JACK



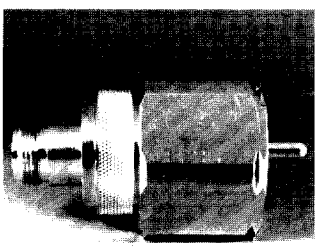
PART NUMBER	R 191 741



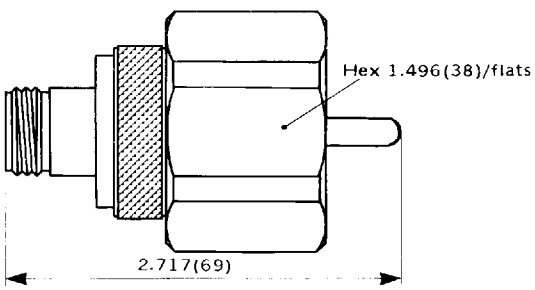
N JACK to LC JACK
Square flange



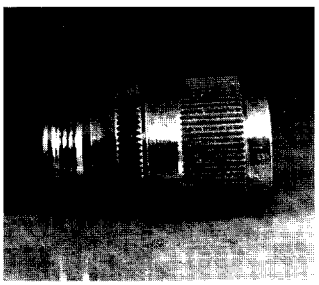
PART NUMBER	R 191 742



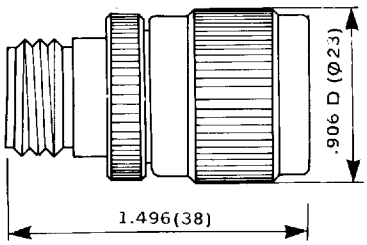
N JACK to LC PLUG



PART UMBER	R 191 745



N JACK to HN PLUG



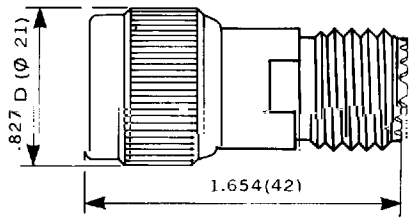
PART UMBER	R 191 737

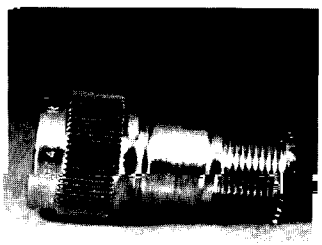
RADIALL® The Quality Connection

N to UHF/SMA

N PLUG to UHF JACK

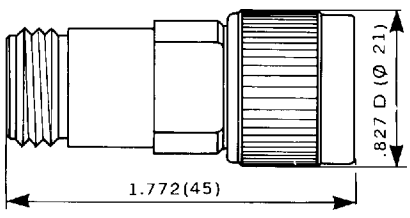
PART NUMBER	R 191 731

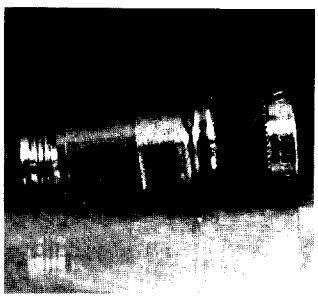




N JACK to UHF PLUG

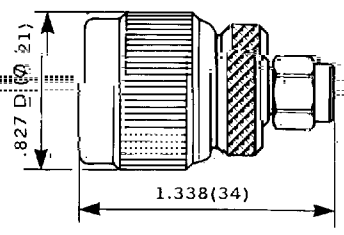
PART NUMBER	R 191 733

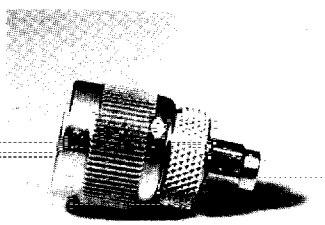




N PLUG to SMA PLUG

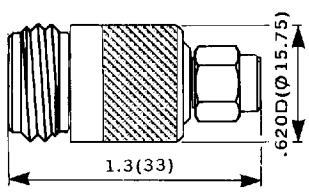
PART NUMBER	R 191 325
VSWR	0 - 11 GHz 1.06 + 0.005 F (GHz)

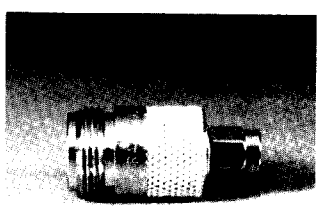




N JACK to SMA PLUG

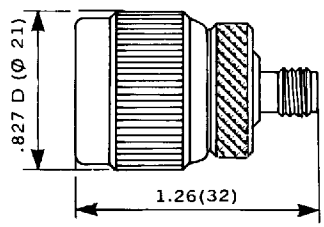
PART NUMBER	R 191 327
VSWR	0 - 11 GHz 1.06 + 0.01 F (GHz)

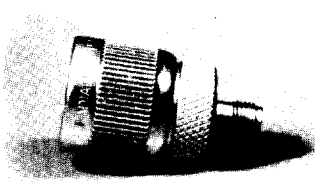




N PLUG to SMA JACK

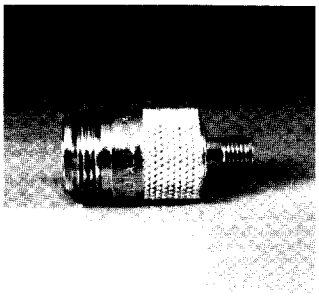
PART NUMBER	R 191 329
VSWR	0 - 11 GHz 1.06 + 0.005 F (GHz)

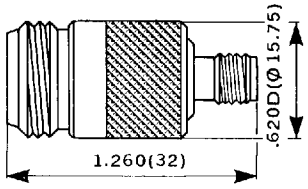




N to SMA/SMA 3,5

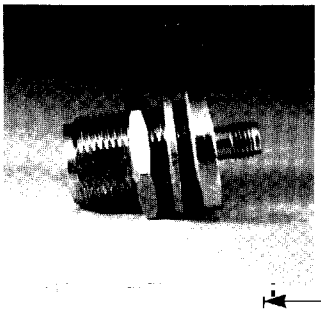
N JACK to SMA JACK

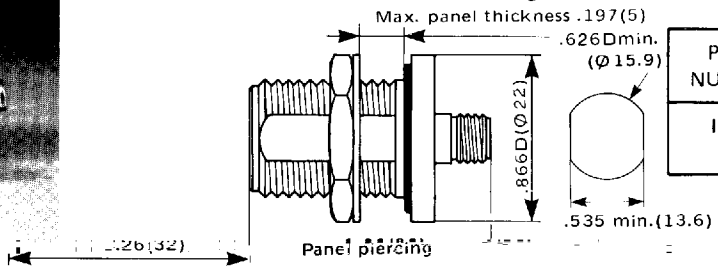




PART NUMBER	R 191 331
VSWR	0 - 11 GHz 1.06 + 0.01 F (GHz)

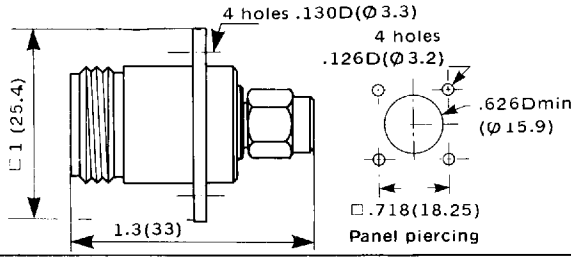
N JACK to SMA JACK
Panel sealed, bulkhead feeddthrough



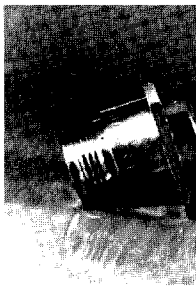


PART NUMBER	R 191 332	R 191 334
Inner seal	NO	YES

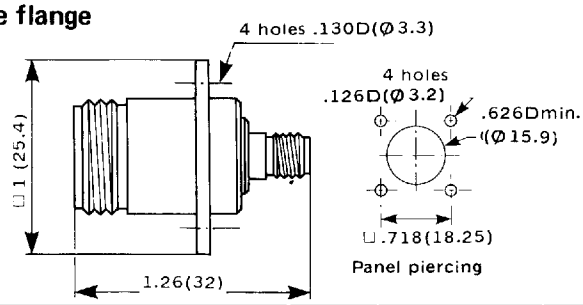
N JACK to SMA PLUG
Square flange



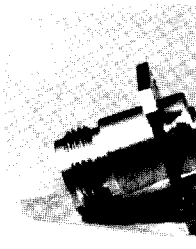
PART NUMBER	R 191 377



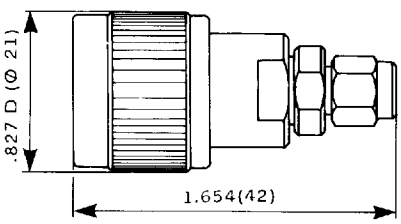
N JACK to SMA JACK
Square flange



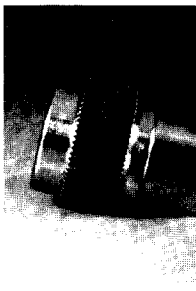
PART NUMBER	R 191 381



N PLUG to SMA 3.5 PLUG



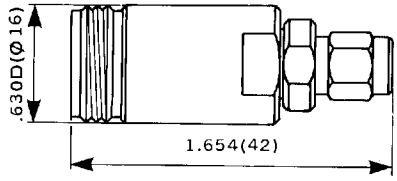
PART NUMBER	R 191 324
VSWR	0 - 18 GHz 1.03 + 0.005 F (GHz)

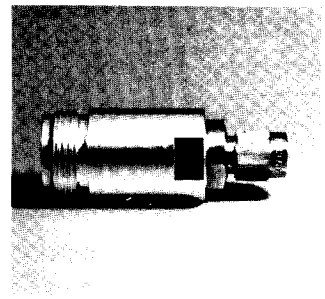


N to SMA 3,5/SMB

N JACK to SMA 3.5 PLUG

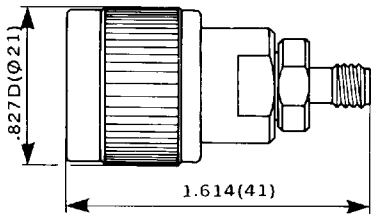
PART NUMBER	R 191 326
VSWR	0 - 18 GHz 1.03 + 0.005 F (GHz)

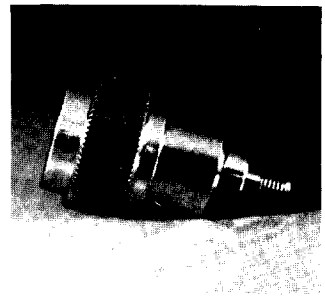




N PLUG to SMA 3.5 JACK

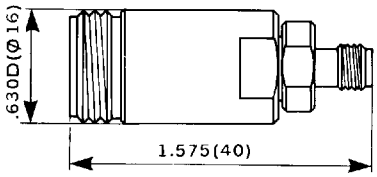
PART NUMBER	R 191 328
VSWR	0 - 18 GHz 1.03 + 0.005 F (GHz)

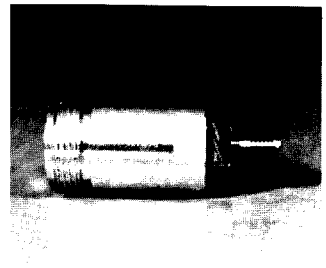




N JACK to SMA 3.5 JACK

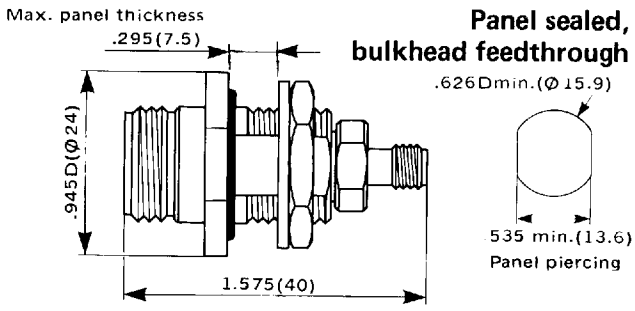
PART NUMBER	R 191 330
VSWR	0 - 18 GHz 1.03 + 0.005 F (GHz)

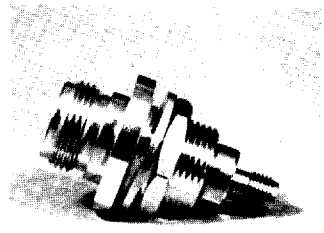




N JACK to SMA 3.5 JACK
Panel sealed, bulkhead feedthrough

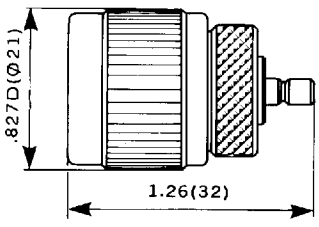
PART NUMBER	R 191 333
VSWR	0 - 18 GHz 1.03 + 0.005 F (GHz)

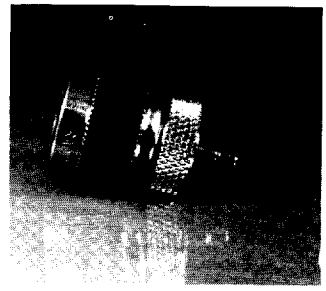




N PLUG to SMB JACK

PART NUMBER	R 191 233
VSWR	0 - 4 GHz 1.03 + 0.01 F (GHz)

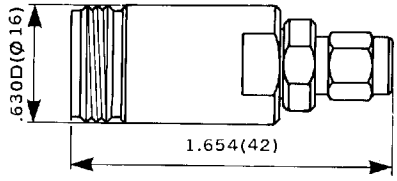


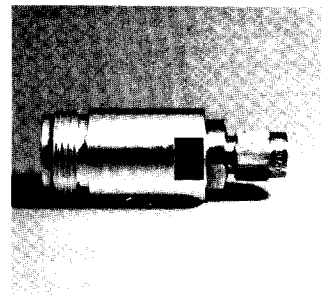


N to SMA 3,5/SMB

N JACK to SMA 3.5 PLUG

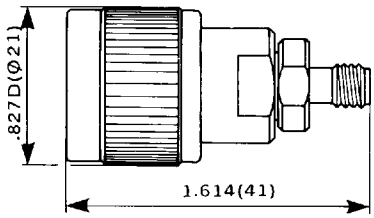
PART NUMBER	R 191 326
VSWR	0 - 18 GHz 1.03 + 0.005 F (GHz)

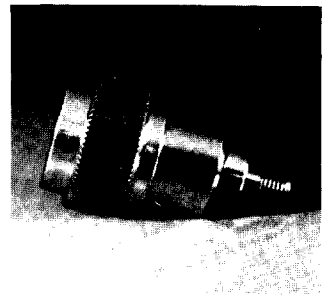




N PLUG to SMA 3.5 JACK

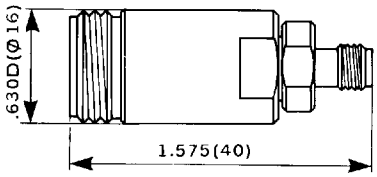
PART NUMBER	R 191 328
VSWR	0 - 18 GHz 1.03 + 0.005 F (GHz)

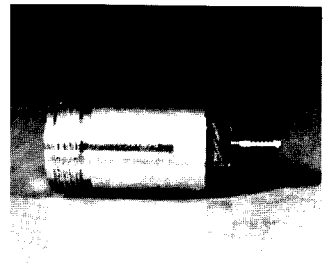




N JACK to SMA 3.5 JACK

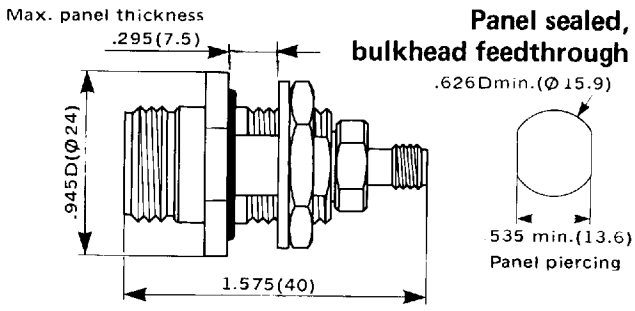
PART NUMBER	R 191 330
VSWR	0 - 18 GHz 1.03 + 0.005 F (GHz)

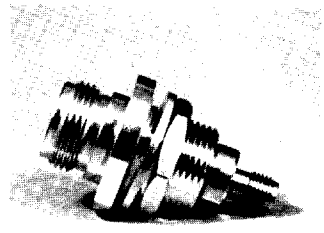




N JACK to SMA 3.5 JACK
Panel sealed, bulkhead feedthrough

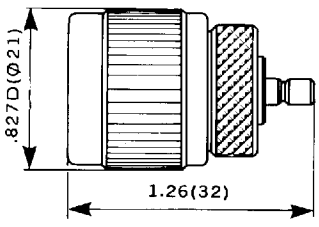
PART NUMBER	R 191 333
VSWR	0 - 18 GHz 1.03 + 0.005 F (GHz)

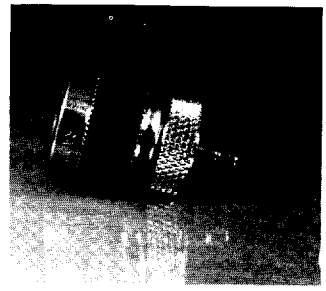




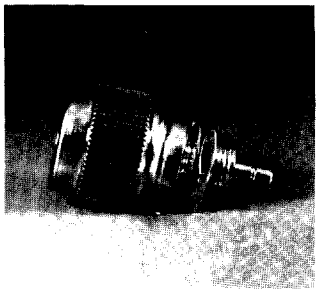
N PLUG to SMB JACK

PART NUMBER	R 191 233
VSWR	0 - 4 GHz 1.03 + 0.01 F (GHz)

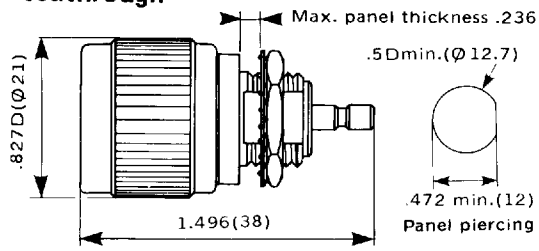




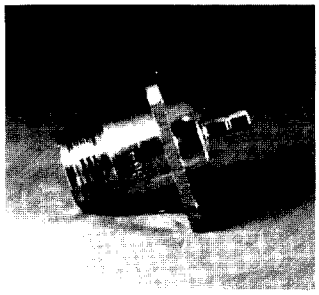
N to SMB/SMC



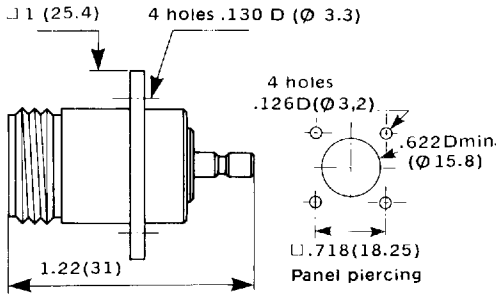
N PLUG to SMB JACK
Bulkhead feedthrough



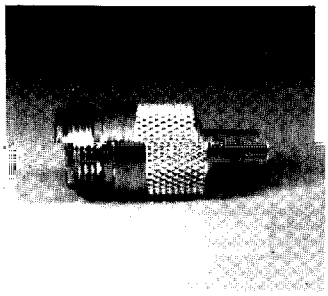
PART NUMBER	R 191 234



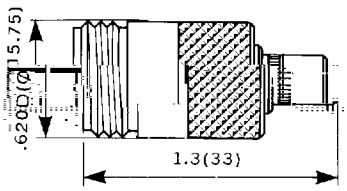
N JACK to SMB JACK
Square flange



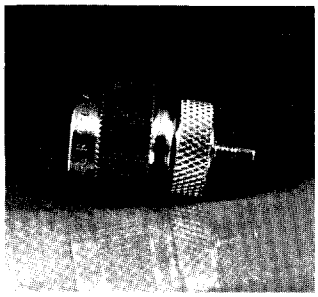
PART NUMBER	R 191 236



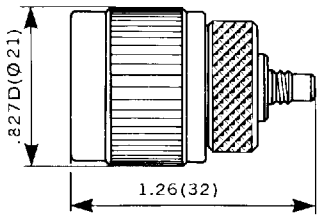
N JACK to SMB PLUG



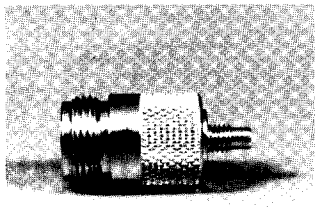
PART NUMBER	R 191 239
VSWR	0 - 4 GHz 1.03 + 0.03 F (GHz)



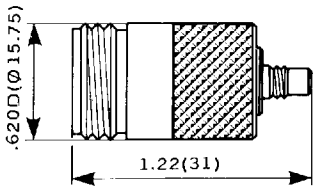
N PLUG to SMC JACK



PART NUMBER	R 191 141
VSWR	0 - 11 GHz 1.35 Max.



N JACK to SMC JACK

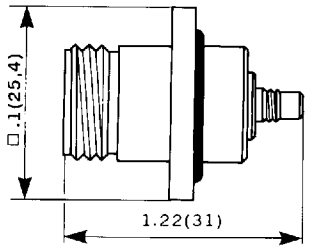


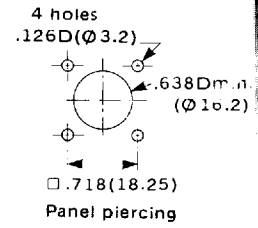
PART NUMBER	R 191 143
VSWR	0 - 11 GHz 1.35 Max.

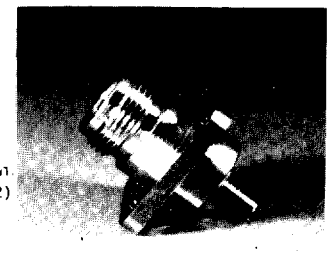
RADIALL® The Quality Connection

N JACK to SMC JACK
Panel sealed, square flange

PART NUMBER	R 191 144
VSWR	0 - 11 GHz 1.35 Max.

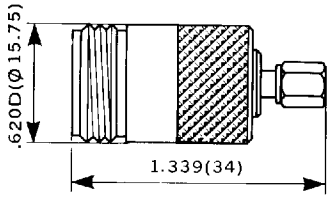


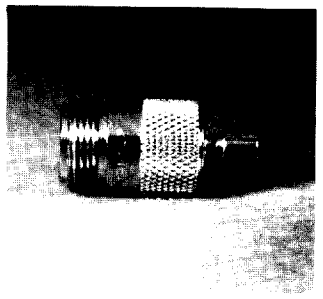




N JACK to SMC PLUG

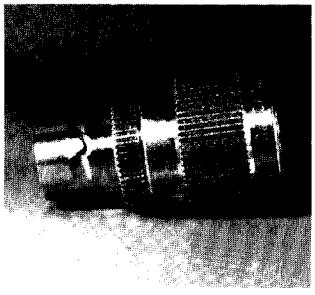
PART NUMBER	R 191 147
VSWR	0 - 11 GHz 1.35 Max.

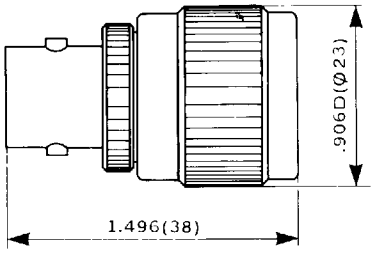




C to HN/UHF/SMB

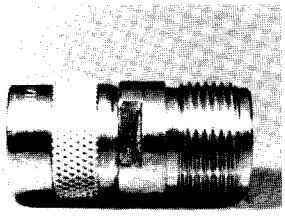
C JACK to HN PLUG

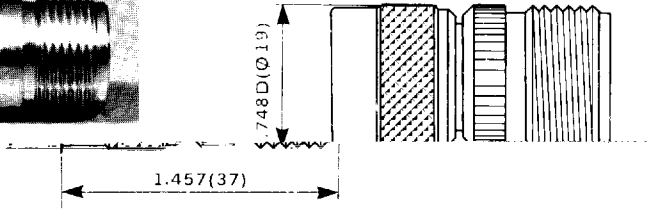




PART NUMBER	R 191 931

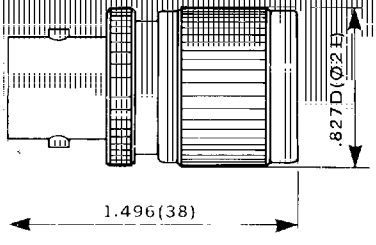
C PLUG to HN JACK



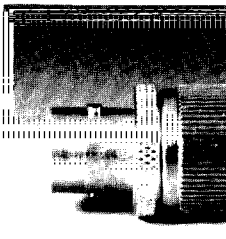


PART NUMBER	R 191 933

C JACK to UHF PLUG

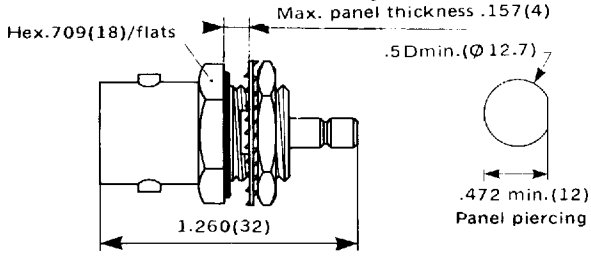


PART NUMBER	R 191 921

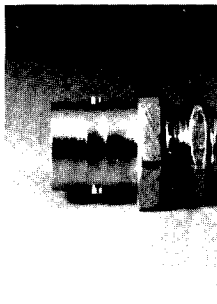


C JACK to SMB JACK

Panel sealed, bulkhead feedthrough



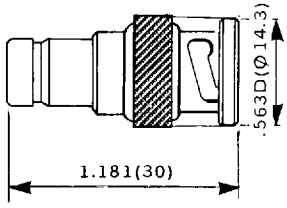
PART NUMBER	R 191 244

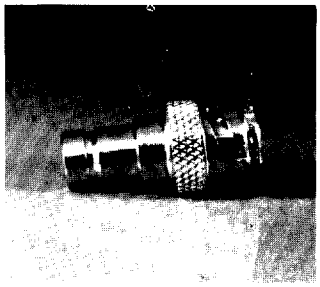


mQ to BNC/N

mQ JACK to BNC PLUG

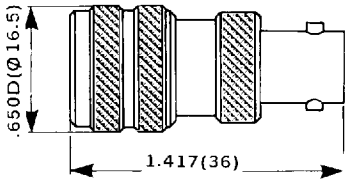
PART NUMBER	R 191 411

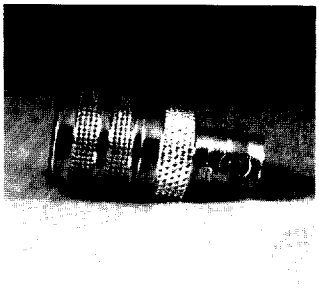




mQ PLUG to BNC JACK

PART NUMBER	R 191 413

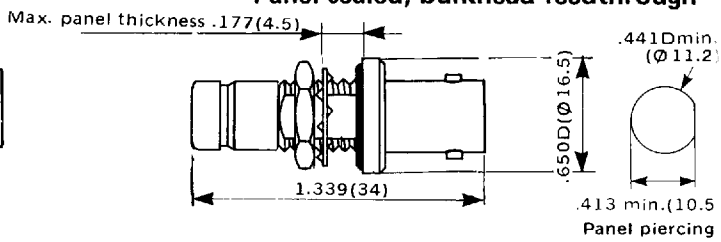


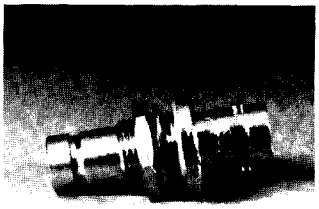


mQ JACK TO BNC JACK

Panel sealed, bulkhead feedthrough

PART NUMBER	R 191 416

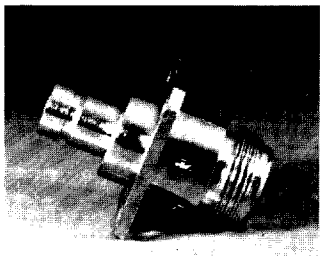




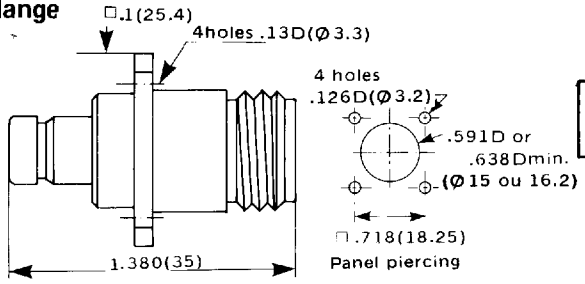
mQ PLUG to N JACK

PART NUMBER	R 191 603

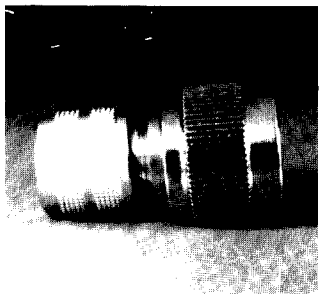
mQ to N



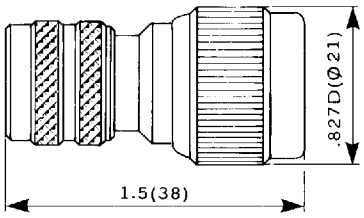
mQ JACK to N JACK
Square flange



PART NUMBER	R 191 609

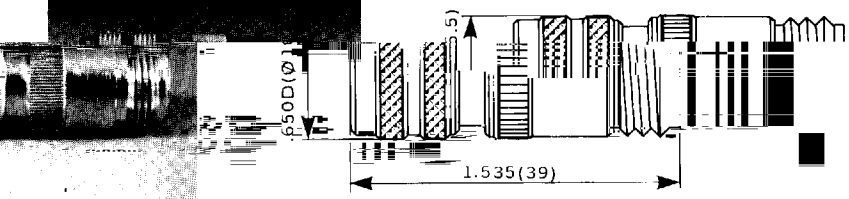


mQ PLUG to N PLUG

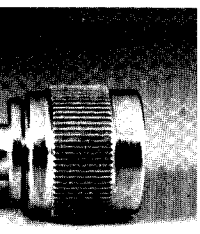


PART NUMBER	R 192 601
Impedance	75 Ω

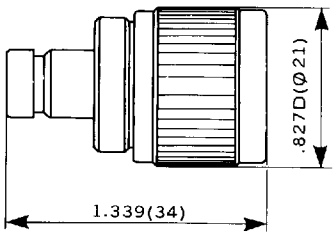
mQ PLUG to N JACK



PART NUMBER	R 192 603
Impedance	75 Ω

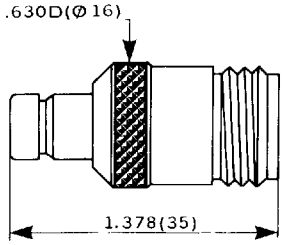


mQ JACK to N PLUG

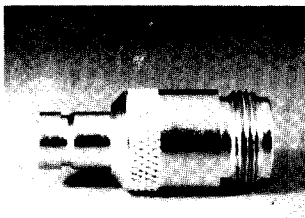


PART NUMBER	R 192 606
Impedance	75 Ω

mQ JACK to N JACK



PART NUMBER	R 192 608
Impedance	75 Ω



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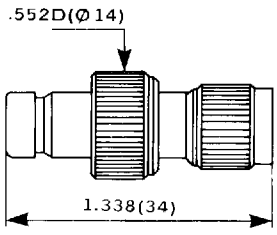
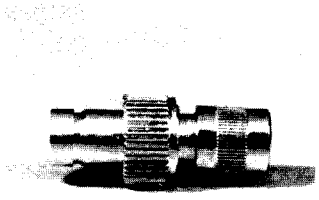
mQ to 1,6/5,6/UHF/SMB

mQ JACK to 1,6 / 5,6 PLUG
Screw-on

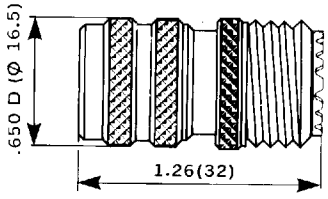
PART NUMBER	R 192 630
Impedance	75 Ω

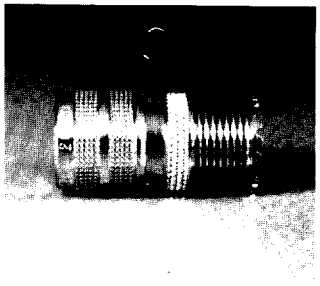




mQ PLUG to UHF JACK

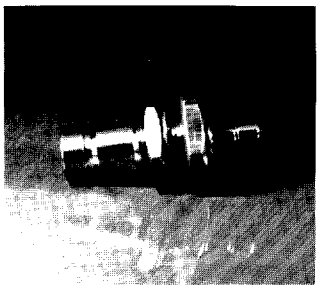
PART NUMBER	R 191 630



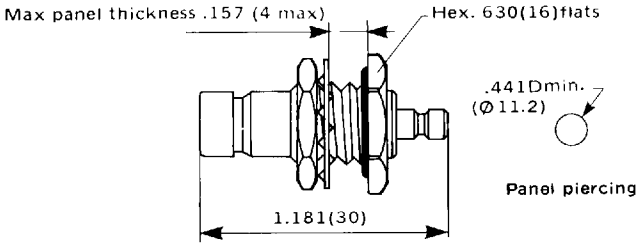


mQ JACK to UHF PLUG

mQ to SMB



mQ JACK to SMB JACK
Panel sealed, bulkhead feedthrough

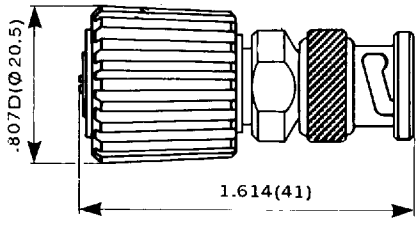


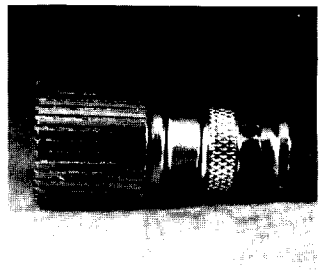
PART NUMBER	R 191 228

RADIALL®
The Quality Connection

APC 7 ® to BNC PLUG

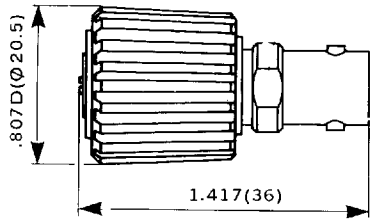
PART NUMBER	R 191 013
VSWR	0 - 4 GHz 1.03 + 0.005 F (GHz)





APC 7 ® to BNC JACK

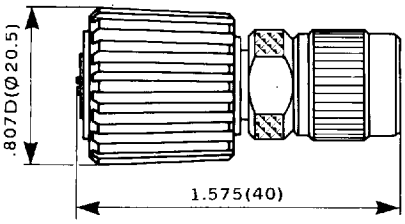
PART NUMBER	R 191 015
VSWR	0 - 4 GHz 1.03 + 0.005 F (GHz)

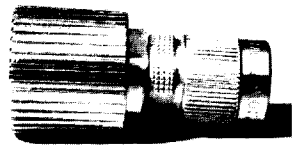


APC 7 ® to TNC / TNC 18 GHz PLUG

PART NUMBER	R 191 017	R 191 017 700
VSWR	0 - 11 GHz 1.04 + 0.003 F (GHz)	0 - 18 GHz 1.03 + 0.002 F (GHz)
Connector	TNC	TNC 18 GHz

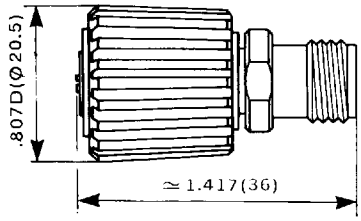
Hexagonal cap for R 191 017 700





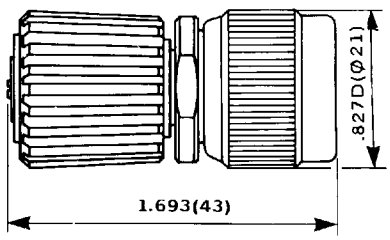
APC 7 ® to TNC / TNC 18 GHz JACK

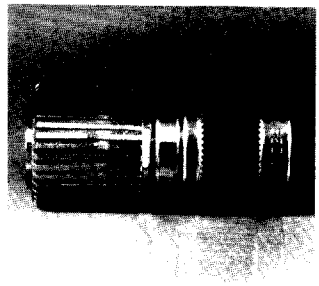
PART NUMBER	R 191 019	R 191 019 700
VSWR	0 - 11 GHz 1.04 + 0.003 F (GHz)	0 - 18 GHz 1.03 + 0.002 F (GHz)
Connector	TNC	TNC 18 GHz



APC 7 ® to NP PLUG

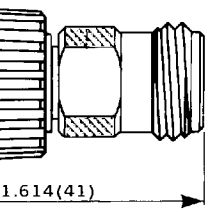
PART NUMBER	R 191 025
VSWR	0 - 18 GHz 1.03 + 0.002 F (GHz)



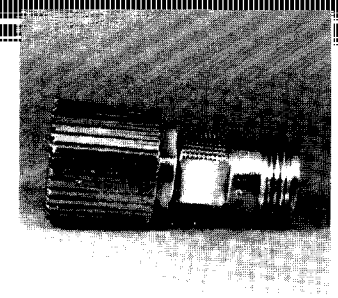


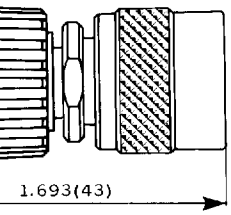
APC 7

JACK

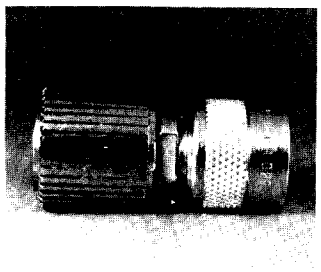


PART NUMBER	R 191 027
VSWR	0 - 18 GHz 1.03 +0.0015 F (GHz)

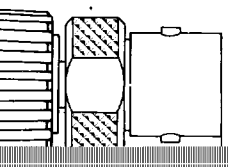




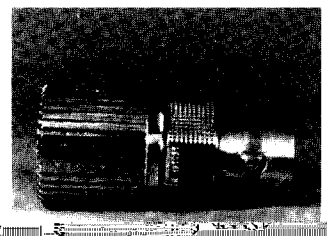
PART NUMBER	R 191 029
VSWR	0 - 11 GHz 1.04 +0.01 F (GHz)



APC 7 ® to C JACK

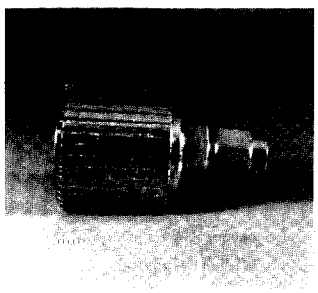


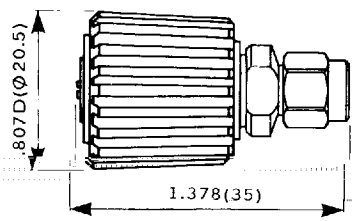
PART NUMBER	R 191 031
VSWR	0 - 11 GHz 1.04 +0.01 F (GHz)



APC 7 ® - to SMA PLUG

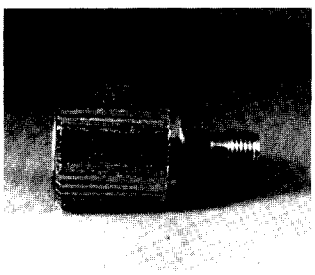
PART NUMBER	R 191 009
VSWR	0 - 18 GHz 1.05 +0.002 F (GHz)

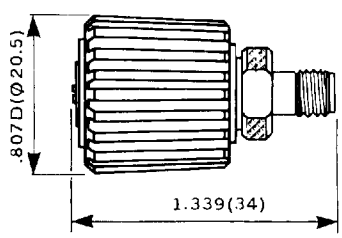




APC 7 ® to SMA JACK

PART NUMBER	R 191 011
VSWR	0 - 18 GHz 1.05 +0.002 F (GHz)





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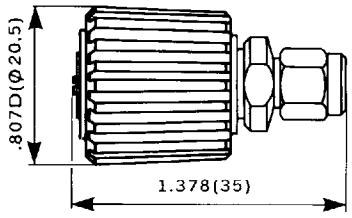
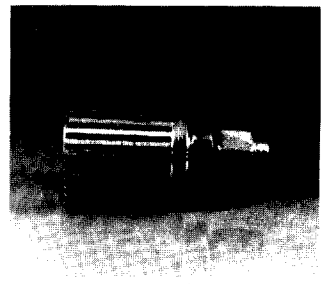
APC 7 ® to SMA 3.5 PLUG

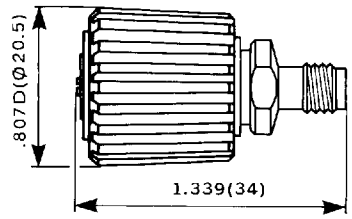
PART NUMBER	R 191 010
VSWR	0 - 18 GHz 1.03 +0.003 F (GHz)

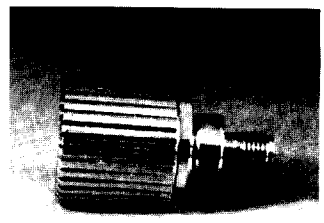




APC 7 ® to SMA 3.5 JACK

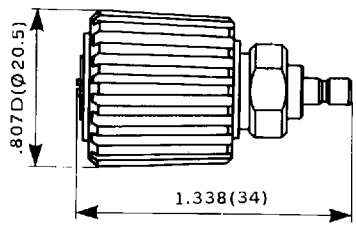
PART NUMBER	R 191 012
VSWR	0 - 18 GHz 1.03 +0.003 F (GHz)

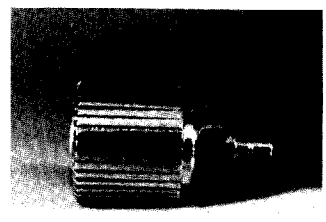




APC 7 ® to SMB JACK

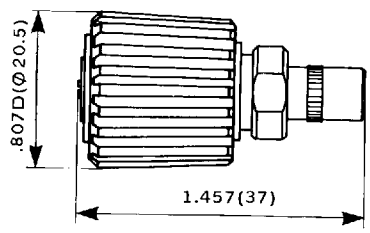
PART NUMBER	R 191 005
VSWR	0 - 4 GHz 1.03 +0.01 F (GHz)

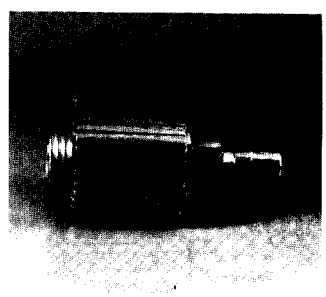




APC 7 ® to SMB PLUG

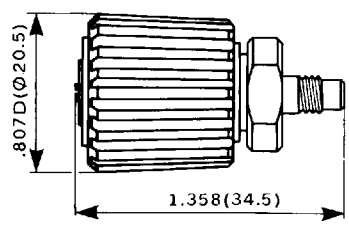
PART NUMBER	R 191 007
VSWR	0 - 4 GHz 1.03 +0.01 F (GHz)

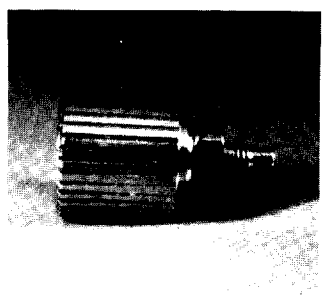




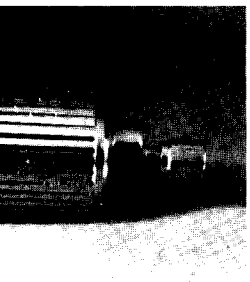
APC 7 ® to SMC JACK

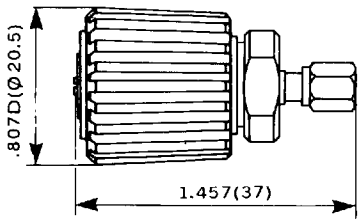
PART NUMBER	R 191 001
VSWR	0 - 11 GHz 1.07 +0.01 F (GHz)





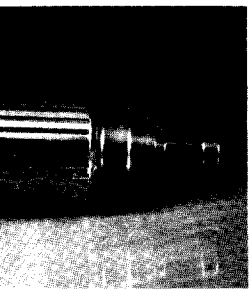
APC 7 ® to SMC PLUG

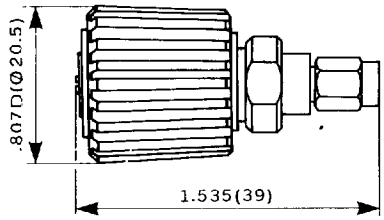




PART NUMBER	R 191 003
VSWR	0 - 11 GHz 1.07 +0.01 F (GHz)

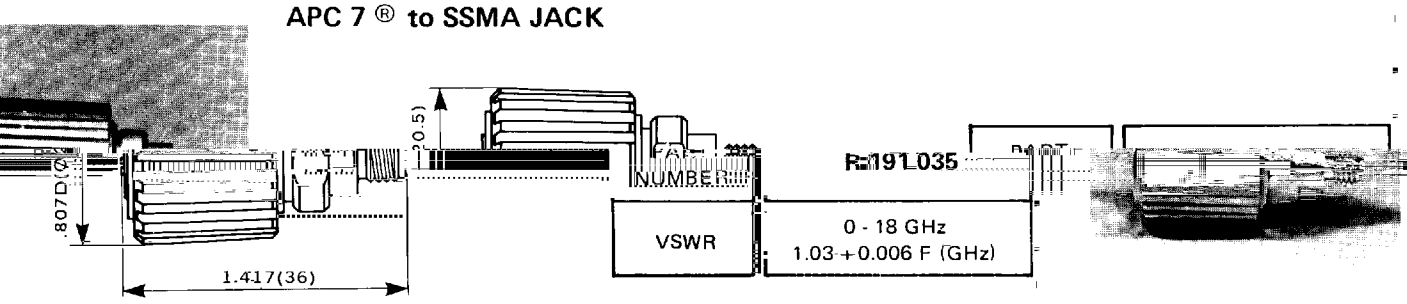
APC 7 ® to SSMA PLUG





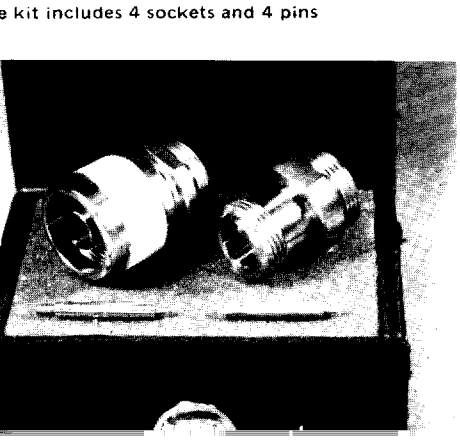
PART NUMBER	R 191 033
VSWR	0 - 18 GHz 1.03 +0.006 F (GHz)

APC 7 ® to SSMA JACK



N 18 GHz PLUG
N 18 GHz JACK

e kit includes 4 sockets and 4 pins



PART NUMBER	R 191 094
VSWR	0 - 18 GHz 1.05 Max.

7 mm
7 mm

— Th

RADIALL® The Quality Connection

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R 191 334	22
R 191 347	7
R 191 349	7
R 191 350 001	8
R 191 351 001	8
R 191 352 001	8
R 191 353 001	8
R 191 354 001	8
R 191 355 001	9
R 191 365	6
R 191 374	7
R 191 376	7
R 191 377	22
R 191 381	22
R 191 403	11
R 191 405	11
R 191 411	27
R 191 413	27
R 191 416	27
R 191 417	17
R 191 419	17
R 191 421	17
R 191 422	17
R 191 424	17
R 191 426	17
R 191 429	12
R 191 445	12
R 191 447	12
R 191 449	12
R 191 450	15
R 191 453	15
R 191 454	15
R 191 455	16
R 191 511	18
R 191 513	18
R 191 514	18
R 191 603	27
R 191 606	27
R 191 609	28
R 191 630	29
R 191 632	29
R 191 703	18
R 191 705	19
R 191 708	19
R 191 731	21
R 191 733	21
R 191 737	20
R 191 741	20
R 191 742	20
R 191 745	20
R 191 921	26
R 191 931	26
R 191 933	26
ADAPTERS 75 Ω	
R 192 417	17
R 192 418	18
R 192 419	17
R 192 421	17
R 192 430	11
R 192 431	11
R 192 432	11
R 192 601	28
R 192 603	28
R 192 606	28
R 192 608	28
R 192 630	29
R 192 770	19
R 192 771	19
R 192 775	19
R 192 777	20
MIL Part no	
R 191 419	UG 349 A/U
R 191 421	UG 201 A/U
R 191 422	UG 606 /U
R 191 429	UG 636 A/U
R 191 445	UG 255 /U
R 191 449	UG 309 /U
R 191 703	UG 564 /U
R 191 705	UG 565 A/U
R 191 731	UG 146 /U
R 191 733	UG 83 A/U
R 191 921	UG 637 /U
R 191 931	UG 702 /U
R 191 933	UG 703 A/U
R 191 141	
R 191 143	
R 191 144	
R 191 147	
R 191 209	
R 191 211	
R 191 212	
R 191 213	
R 191 214	
R 191 215	
R 191 216	
R 191 225	
R 191 227	
R 191 228	
R 191 233	
R 191 234	
R 191 236	
R 191 239	
R 191 244	
R 191 265	
R 191 267	
R 191 303	
R 191 305	
R 191 309	
R 191 311	
R 191 313	
R 191 315	
R 191 314 7	
R 191 316 7	
R 191 324	
R 191 325	
R 191 326	

LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

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Email: org@lifeelectronics.ru

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