COPY & PASTE A CDE PART NUMBER TO CHECK STOCK ONLINE: GO

Type 930C, Metallized Polypropylene Capacitors for DC Filtering

Low Dissipation, General Purpose

Type 930C metallized polypropylene capacitors are designed for general purpose filtering applications. Their stability and low loss characteristics make them an excelllent choice for blocking, filtering, bypassing, coupling and decoupling applications. This Series is UL recognized for construction only under UL File Number E128034(N).

Highlights

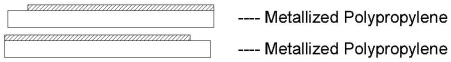
- Low dissipation factor
- Self healing
- UL recognized

Specifications

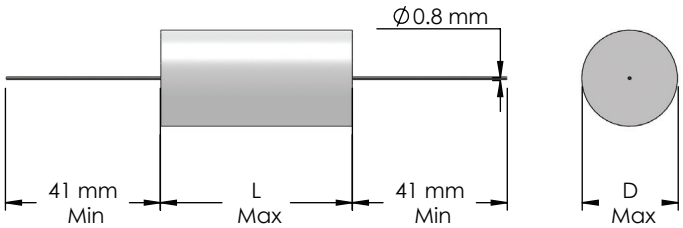
Capacitance Range	0.22 to 10.0 µF
Capacitance Tolerance	±10 % (K) Standard; ±5% (J) Optional
Rated Voltage	100 to 630 Vdc (70 to 250 Vac, 60 Hz)
Operating Temperature Range with Ripple	–55 °C to 105 °C* *Full rated voltage at 85 °C - derated linearly to 50% rated at 105 °C
Maximum rms Current	Check tables for values
Insulation Resistance	200,000 MΩ x µF
Test Voltage between Terminals @ 25 °C	200% rated DC voltage for 60 s
Test Voltage between Terminals & Case @ 25 °C	3 kVac @ 50/60 Hz for 60 s
Life Test	1,000 h @ 85 °C, 125% rated DC voltage
Life Expectancy	60,000 h @ rated Vdc, 70 °C 30,000 h @ rated Vac, 70 °C
RoHS Compliant	

Dimensions

Construction Diagram



Construction Details	
Case Material	UL510 Polyester Tape Wrap
Resin Material	UL94V-0 Epoxy Fill
Terminal Material	Tin Plated Copper



Type 930C, Metallized Polypropylene Capacitors for DC Filtering

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Part Numbering System

930	C	1	P	22	K	–F
Series	Termination Code	Voltage Code	Capacitance Decimal Point	Capacitance Significant Figures (µF)	Tolerance Code	RoHS Compliant Indicator
930	C = Bare Copper Wire	1 = 100 Vdc 2 = 250 Vdc 4 = 400 Vdc 6 = 630 Vdc	S = 0.0 P = 0. W = No decimal point		K = ±10% J = ±5%	

Ratings

NOTE: Other ratings, sizes and performance specifications are available. Contact us.

Cap. (µF)	Catalog Part Number	D mm	L mm	ESR 20-100 kHz (mΩ)	dV/dt (V/µs)	Max. Ripple Current (A) 20 kHz Case Temperature 25 °C	35 °C	45 °C	55 °C	65 °C	75 °C	85 °C
100 Vdc (70 Vac)												
.22	930C1P22K–F	7.0	19.0	---	25	2.3	2.3	2.3	2.3	2.3	1.8	1.0
.27	930C1P27K–F	7.6	19.0	---	25	2.6	2.6	2.6	2.6	2.4	1.9	1.1
.33	930C1P33K–F	8.2	19.0	---	25	2.8	2.8	2.8	2.8	2.6	2.2	1.2
.39	930C1P39K–F	8.8	19.0	---	25	3.1	3.1	3.1	3.1	2.9	2.3	1.3
.47	930C1P47K–F	9.5	19.0	37	25	3.7	3.4	3.1	2.8	2.5	2.0	1.4
.56	930C1P56K–F	8.2	25.4	35	14	3.9	3.6	3.3	2.9	2.6	2.1	1.5
.68	930C1P68K–F	8.8	25.4	33	14	4.1	3.8	3.5	3.1	2.8	2.2	1.6
.82	930C1P82K–F	9.6	25.4	31	14	4.3	4.0	3.6	3.2	2.9	2.3	1.7
1.00	930C1W1K–F	10.7	25.4	26	14	5.5	5.1	4.7	4.2	3.6	2.8	2.6
1.20	930C1W1P2K–F	11.5	25.4	24	14	5.7	5.3	4.9	4.4	3.8	3.0	2.8
1.50	930C1W1P5K–F	12.7	25.4	20	14	6.1	5.5	5.1	4.6	4.0	3.2	3.1
1.80	930C1W1P8K–F	13.7	25.4	19	14	6.3	5.7	5.3	4.8	4.1	3.4	3.0
2.00	930C1W2K–F	12.3	31.7	18	10	6.5	6.0	5.5	4.9	4.2	3.5	3.2
2.20	930C1W2P2K–F	12.9	31.7	18	10	6.8	6.3	5.7	2.1	4.4	3.6	3.3
2.70	930C1W2P7K–F	14.1	31.7	17	10	7.1	6.5	6.0	5.3	4.6	3.7	3.4
3.00	930C1W3K–F	14.8	31.7	16	10	7.3	6.7	6.2	5.5	4.8	3.9	3.5
3.30	930C1W3P3K–F	15.4	31.7	16	10	7.4	6.8	6.4	5.6	4.9	4.0	3.6
3.90	930C1W3P9K–F	16.6	31.7	15	10	7.6	6.9	6.6	5.8	5.1	4.1	3.7
4.00	930C1W4K–F	13.6	44.4	15	6	7.8	7.0	6.7	5.9	5.2	4.2	3.8
4.70	930C1W4P7K–F	14.7	44.4	15	6	8.1	7.4	6.8	6.0	5.3	4.3	3.9
5.00	930C1W5K–F	15.1	44.4	14	6	8.3	7.6	7.0	6.2	5.4	4.4	4.0
5.60	930C1W5P6K–F	15.8	44.4	14	6	8.4	7.7	7.1	6.4	5.5	4.5	4.1
6.00	930C1W6K–F	16.4	44.4	14	6	8.5	7.8	7.2	6.5	5.6	4.6	4.2
6.80	930C1W6P8K–F	17.3	44.4	13	6	8.5	8.0	7.4	6.7	5.7	4.7	4.3
8.00	930C1W8K–F	18.7	44.4	13	6	8.6	8.3	7.7	6.8	6.0	4.8	4.4
8.20	930C1W8P2K–F	18.9	44.4	13	6	8.8	8.6	8.0	7.0	6.1	4.9	4.5
10.00	930C1W10K–F	20.7	44.4	12	6	9.0	9.0	8.5	7.6	6.6	5.4	4.9
250 Vdc (175 Vac)												
.10	930C2P1K–F	8.0	19.0	---	37	1.5	1.5	1.5	1.5	1.5	1.5	.09
.12	930C2P12K–F	8.0	19.0	---	37	1.9	1.9	1.9	1.9	1.9	1.7	1.0
.15	930C2P15K–F	8.5	19.0	---	37	2.3	2.3	2.3	2.3	2.3	1.9	1.1
.18	930C2P18K–F	9.0	19.0	---	37	2.7	2.7	2.7	2.7	2.5	2.0	1.2

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Low Dissipation, General Purpose

Cap. (µF)	Catalog Part Number	D mm	L mm	ESR 20-100 kHz (mΩ)	dV/dt (V/µs)	Max. Ripple Current (A) 20 kHz Case Temperature 25 °C	35 °C	45 °C	55 °C	65 °C	75 °C	85 °C
250 Vdc (175 Vac)												
.22	930C2P22K–F	8.5	25.4	---	21	1.9	1.9	1.9	1.9	1.9	1.9	1.3
.27	930C2P27K–F	8.5	25.4	---	21	2.4	2.4	2.4	2.4	2.4	2.2	1.4
.33	930C2P33K–F	9.2	25.4	---	21	2.9	2.9	2.9	2.9	2.9	2.3	1.5
.39	930C2P39K–F	9.9	25.4	---	21	3.4	3.4	3.4	3.2	2.9	2.3	1.6
.47	930C2P47K–F	10.7	25.4	35	21	3.8	3.7	3.6	3.4	2.9	2.4	1.7
.56	930C2P56K–F	11.8	25.4	33	21	3.9	3.8	3.7	3.5	3.1	2.5	1.8
.68	930C2P68K–F	12.0	31.7	32	15	4.0	3.9	3.8	3.7	3.2	2.6	1.9
.82	930C2P82K–F	12.0	31.7	31	15	4.2	4.1	4.0	3.9	3.4	2.8	2.0
1.00	930C2W1K–F	13.0	32.0	28	15	4.4	4.4	4.4	4.4	4.3	3.5	3.2
1.20	930C2W1P2K–F	14.1	32.0	27	15	4.7	4.6	4.5	5.0	4.5	3.7	3.3
1.50	930C2W1P5K–F	15.6	32.0	26	15	5.1	5.0	4.9	4.4	4.7	3.9	3.5
1.80	930C2W1P8K–F	16.9	31.7	25	15	5.9	5.8	5.7	5.7	5.0	4.1	3.7
2.00	930C2W2K–F	17.8	31.7	21	15	7.2	7.2	6.8	6.0	5.2	4.3	3.9
2.20	930C2W2P2K–F	16.5	44.4	20	9.0	8.4	7.5	7.0	6.3	5.4	4.5	4.1
2.70	930C2W2P7K–F	17.0	44.4	19	9.0	8.6	7.8	7.3	6.6	5.7	4.7	4.3
3.00	930C2W3K–F	17.8	44.4	18	9.0	9.0	8.3	7.6	6.8	5.9	4.8	4.4
3.30	930C2W3P3K–F	18.6	44.4	18	9.0	9.0	8.4	7.8	7.0	6.0	4.9	4.5
3.90	930C2W3P9K–F	20.2	44.4	17	9.0	9.0	8.5	8.0	7.2	6.2	5	4.6
4.00	930C2W4K–F	20.4	44.4	16	9.0	9.0	8.5	8.2	7.4	6.3	5.1	4.7
4.70	930C2W4P7K–F	22.0	44.4	16	9.0	9.0	8.8	8.5	7.7	6.6	5.3	4.9
5.00	930C2W5K–F	22.6	44.4	15	9.0	9.0	9.0	8.8	7.9	6.8	5.6	5.1
5.60	930C2W5P6K–F	23.9	44.4	15	9.0	9.0	9.0	8.9	8.0	7.0	5.8	5.3
6.00	930C2W6K–F	24.7	44.4	15	9.0	9.0	9.0	9.0	8.2	7.2	5.9	5.5
6.80	930C2W6P8K–F	22.4	57.1	15	9.0	9.0	9.0	9.0	8.4	7.4	6.0	5.6
8.00	930C2W8K–F	24.2	57.1	14	9.0	9.0	9.0	9.0	8.7	7.8	6.3	5.8
8.20	930C2W8P2K–F	24.5	57.1	14	9.0	9.0	9.0	9.0	8.8	7.9	6.4	5.9
10.00	930C2W10K–F	26.9	57.1	13	9.0	9.0	9.0	9.0	9.0	8.3	6.8	6.2
400 Vdc (250 Vac)												
.047	930C4S47K–F	8.0	19.0	---	49	1.0	1.0	1.0	1.0	1.0	1.0	0.9
.056	930C4S56K–F	8.0	19.0	---	49	1.1	1.1	1.1	1.1	1.1	1.1	0.9
.068	930C4S68K–F	8.0	19.0	---	49	1.4	1.4	1.4	1.4	1.4	1.4	1.0
.082	930C4S82K–F	8.1	19.0	---	49	1.7	1.7	1.7	1.7	1.7	1.6	1.1
.10	930C4P1K–F	8.8	19.0	---	49	2.0	2.0	2.0	2.0	2.0	1.9	1.3
.12	930C4P12K–F	7.6	25.4	---	28	1.4	1.4	1.4	1.4	1.4	1.4	1.4
.15	930C4P15K–F	8.5	25.4	---	28	1.7	1.7	1.7	1.7	1.7	1.7	1.6
.18	930C4P18K–F	9.0	25.4	---	28	2.1	2.1	2.1	2.1	2.1	2.1	1.7
.22	930C4P22K–F	9.8	25.4	---	28	2.6	2.6	2.6	2.6	2.6	2.5	1.8
.27	930C4P27K–F	10.7	25.4	---	28	3.1	3.1	3.1	3.1	3.1	2.7	1.9
.33	930C4P33K–F	11.9	25.4	---	28	3.8	3.8	3.8	3.8	3.5	2.9	2.0
.39	930C4P39K–F	12.8	25.4	---	28	4.1	4.1	4.1	4.1	3.7	3.1	2.1
.47	930C4P47K–F	13.8	25.4	32	20	5.7	5.5	5.0	4.4	3.8	3.2	2.2
.56	930C4P56K–F	12.8	32.0	31	20	5.7	5.7	5.3	4.4	4.1	3.3	2.3

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Type 930C, Metallized Polypropylene Capacitors for DC Filtering

Low Dissipation, General Purpose

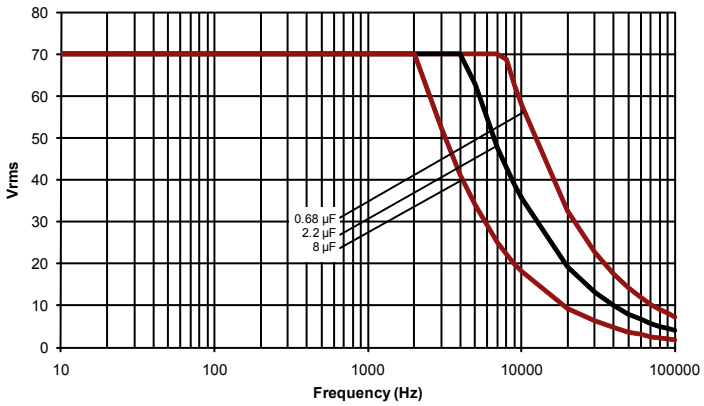
Cap. (µF)	Catalog Part Number	D mm	L mm	ESR 20-100 kHz (mΩ)	dV/dt (V/µs)	Max. Ripple Current (A) 20 kHz Case Temperature 25 °C	35 °C	45 °C	55 °C	65 °C	75 °C	85 °C
400 Vdc (250 Vac)												
.68	930C4P68K–F	14.0	32.0	30	20	5.7	5.7	5.5	4.8	4.3	3.5	2.4
.82	930C4P82K–F	15.2	32.0	28	20	5.7	5.7	5.6	5.3	4.5	3.7	2.6
1.00	930C4W1K–F	16.6	32.0	27	20	5.7	5.7	5.7	5.7	5.7	4.7	4.3
1.20	930C4W1P2K–F	18.1	32.0	26	20	6.3	6.2	6.0	5.9	5.8	4.9	4.5
1.50	930C4W1P5K–F	18.0	44.4	25	13	7.0	6.9	6.7	6.6	6.5	5.2	4.7
1.80	930C4W1P8K–F	18.2	44.4	23	13	8.0	7.9	7.8	7.7	6.8	5.5	5.0
2.00	930C4W2K–F	19.1	44.4	21	13	9.0	9.0	9.0	8.0	7.0	5.7	5.2
2.20	930C4W2P2K–F	21.0	44.4	20	13	9.0	9.0	9.0	8.3	7.4	5.9	5.4
2.70	930C4W2P7K–F	22.0	44.4	19	13	9.0	9.0	9.0	8.6	7.6	6.0	5.6
3.00	930C4W3K–F	23.1	44.4	17	13	9.0	9.0	9.0	9.0	7.9	6.4	5.9
3.30	930C4W3P3K–F	24.1	44.4	16	13	9.0	9.0	9.0	9.0	8.1	6.6	6.3
3.90	930C4W3P9K–F	26.2	44.4	15	13	9.0	9.0	9.0	9.0	8.3	6.8	6.5
630 Vdc (250 Vac)												
.022	930C6S22K–F	8.0	19.0	---	74	0.8	0.8	0.8	0.8	0.8	0.8	0.8
.027	930C6S27K–F	8.0	19.0	---	74	1.0	1.0	1.0	1.0	1.0	1.0	0.9
.033	930C6S33K–F	8.5	19.0	---	74	1.2	1.2	1.2	1.2	1.2	1.2	1.0
.039	930C6S39K–F	9.1	19.0	---	74	1.4	1.4	1.4	1.4	1.4	1.4	1.0
.047	930C6S47K–F	9.9	19.0	---	74	1.7	1.7	1.7	1.7	1.7	1.6	1.1
.056	930C6S56K–F	10.6	19.0	---	74	2.1	2.1	2.1	2.1	2.1	1.7	1.2
.068	930C6S68K–F	9.0	25.4	---	43	1.3	1.3	1.3	1.3	1.3	1.3	1.3
.082	930C6S82K–F	9.5	25.4	---	43	1.6	1.6	1.6	1.6	1.6	1.6	1.4
.10	930C6P1K–F	11.0	25.4	---	43	1.9	1.9	1.9	1.9	1.9	1.9	1.6
.12	930C6P12K–F	11.2	25.4	---	43	2.3	2.3	2.3	2.3	2.3	2.3	1.8
.15	930C6P15K–F	13.0	32.0	---	30	2.9	2.9	2.9	2.9	2.9	2.6	1.9
.18	930C6P18K–F	13.7	32.0	---	30	3.5	3.5	3.5	3.5	3.5	2.7	1.9
.22	930C6P22K–F	12.6	32.0	---	30	2.8	2.8	2.8	2.8	2.8	2.8	2.3
.27	930C6P27K–F	13.8	32.0	---	30	3.5	3.5	3.5	3.5	3.5	3.3	2.3
.33	930C6P33K–F	15.1	32.0	---	30	4.3	4.3	4.3	4.3	4.3	3.5	2.4
.39	930C6P39K–F	16.2	32.0	---	30	5.0	5.0	5.0	5.0	4.6	3.7	2.5
.47	930C6P47K–F	17.7	37.0	28	20	6.8	6.3	5.8	5.2	4.5	3.6	2.6
.56	930C6P56K–F	15.4	44.4	26	19	7.4	6.9	6.3	5.6	4.8	4.0	2.8
.68	930C6P68K–F	18.0	44.4	25	19	7.8	7.2	6.6	5.9	5.1	4.2	2.9
.82	930C6P82K–F	18.4	44.4	22	19	8.1	7.5	6.9	6.2	5.3	4.3	3.1
1.00	930C6W1K–F	20.2	47.0	18	19	8.6	7.9	7.3	6.5	5.6	4.6	3.6

Type 930C, Metallized Polypropylene Capacitors for DC Filtering

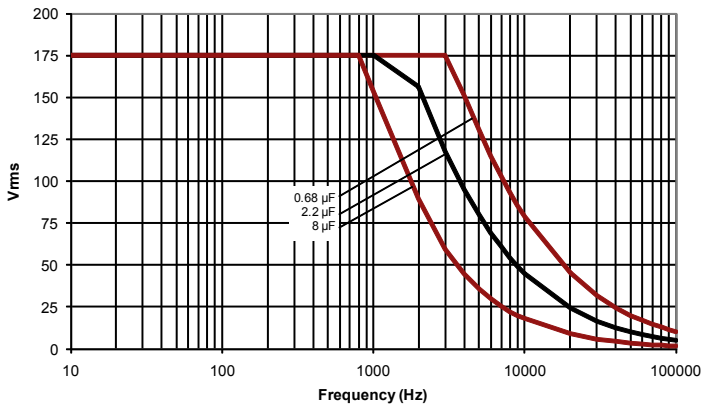
Low Dissipation, General Purpose

RMS Voltage vs Frequency @ 25 °C

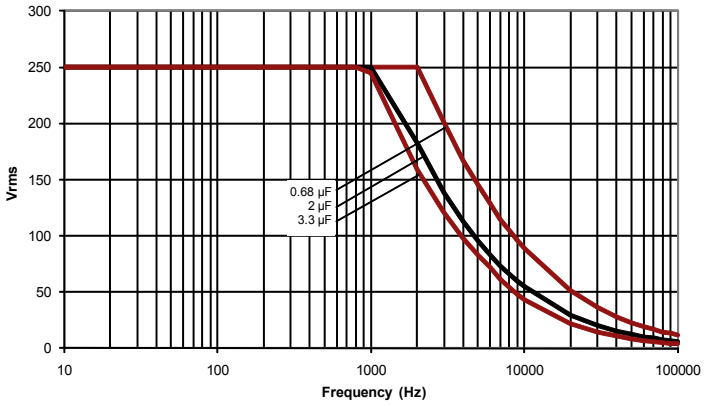
930C - 100 Vdc



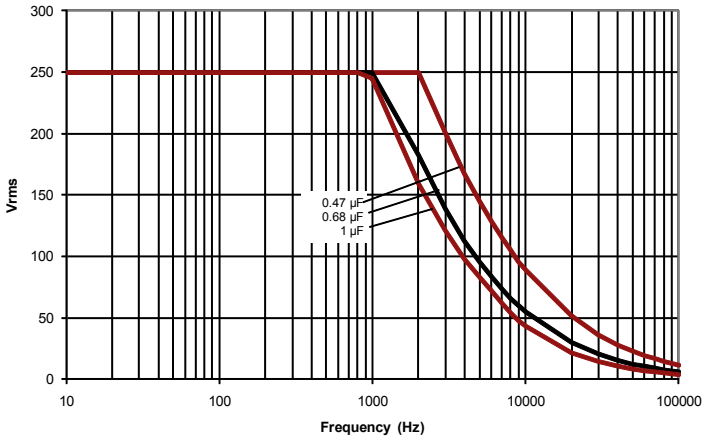
930C - 200 Vdc



930C - 400 Vdc



930C - 600 Vdc



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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