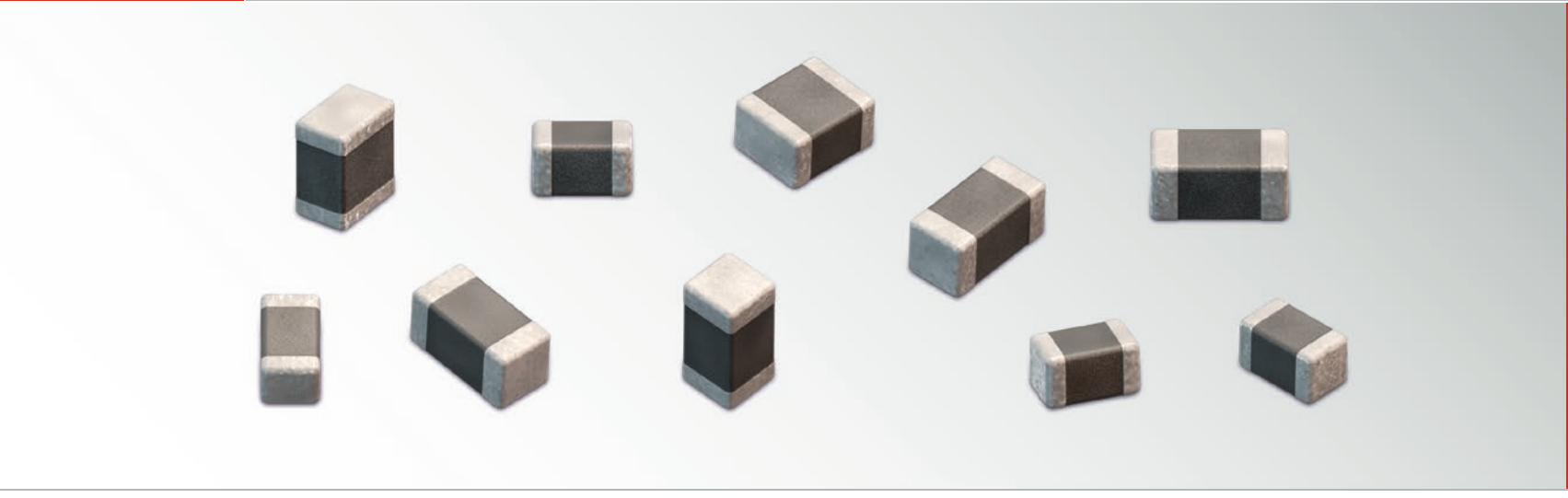
WÜRTH ELEKTRONIK

DESIGN KIT

WCAP-CSGP Multilayer Ceramic Chip Capacitors 1206 / 1210 / 1812



SIZE:

1206 / 1210 / 1812

TECHNICAL DATA:

Capacitance Range:	1000pF ~ 100µF
Rated Voltages:	6.3V, 10V, 16V, 25V, 50V
Dielectrics:	NPO, X7R, X5R
Termination:	Cu / Ni / Sn

Order Code 885 080
Version 1.0

WCAP-CSGP
Multilayer Ceramic Chip Capacitors 1206 / 1210 / 1812

NP0 1206	X7R 1206		X5R 1206	NP0 1210	X7R 1210	X5R 1210	NP0 1812	X7R 1812
885012008010 10V NP01206333J010DFCT10000 **33,000pF**, ±5%, H=0.85mm Q≥1000, IR≥10G Ohm	**885012208019** 10V X7R1206226K010DFCT10000 **22µF**, ±10%, H=1.6mm DF≤10%, IR≥0.005G Ohm	**885012208087** 50V X7R1206104K050DFCT10000 **100,000pF**, ±10%, H=0.8mm DF≤2.5%, IR≥5G Ohm	**885012108005** 6.3V X5R1206107M6R3DFCT10000 **100µF**, ±20%, H=1.6mm DF≤15%, IR≥0.0005G Ohm	**885012009017** 50V NP01210102J050DFCT10000 **1,000pF**, ±5%, H=0.95mm Q≥1000, IR≥ 10G Ohm	**885012209006** 10V X7R1210226K010DFCT10000 **22µF**, ±10%, H=2.5mm DF≤10%, IR≥0.1G Ohm	**885012109004** 6.3V X5R1210107M6R3DFCT10000 **100µF**, ±20%, H=2.5mm DF≤15%, IR≥0.001G Ohm	**885012010009** 50V NP01812152J050DFCT10000 **1,500pF**, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	**885012210025** 50V X7R1812104K050DFCT10000 **100,000pF**, ±10%, H=1.25mm DF≤2.5%, IR≥5G Ohm
885012008049 50V NP01206102J050DFCT10000 **1,000pF**, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	**885012208069** 25V X7R1206106K025DFCT10000 **10µF**, ±10%, H=1.6mm DF≤10%, IR≥0.01G Ohm	**885012208088** 50V X7R1206154K050DFCT10000 **150,000pF**, ±10%, H=0.95mm DF≤2.5%, IR≥3.3G Ohm	**885012108012** 10V X5R1206476M010DFCT10000 **47µF**, ±20%, H=1.6mm DF≤10%, IR≥0.002G Ohm	**885012009018** 50V NP01210152J050DFCT10000 **1,500pF**, ±5%, H=0.95mm Q≥1000, IR≥ 10G Ohm	**885012209028** 25V X7R1210106K025DFCT10000 **10µF**, ±10%, H=2.0mm DF≤5%, IR≥0.01G Ohm	**885012109008** 16V X5R1210475M016DFCT10000 **4.7µF**, ±20%, H=2.0mm DF≤5%, IR≥0.1G Ohm	**885012010010** 50V NP01812332J050DFCT10000 **3,300pF**, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	**885012210026** 50V X7R1812154K050DFCT10000 **150,000pF**, ±10%, H=1.25mm DF≤2.5%, IR≥3.3G Ohm
885012008050 50V NP01206152J050DFCT10000 **1,500pF**, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	**885012208081** 50V X7R1206103K050DFCT10000 **10,000pF**, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	**885012208089** 50V X7R1206224K050DFCT10000 **220,000pF**, ±10%, H=0.95mm DF≤2.5%, IR≥2.3G Ohm	**885012108015** 16V X5R1206335M016DFCT10000 **3.3µF**, ±20%, H=1.6mm DF≤5%, IR≥0.2G Ohm	**885012009019** 50V NP01210222J050DFCT10000 **2,200pF**, ±5%, H=0.95mm Q≥1000, IR≥ 10G Ohm	**885012209043** 50V X7R1210224K050DFCT10000 **220,000pF**, ±10%, H=0.95mm DF≤2.5%, IR≥2.3G Ohm	**885012109009** 16V X5R1210106M016DFCT10000 **10µF**, ±20%, H=2.0mm DF≤5%, IR≥0.05G Ohm	**885012010011** 50V NP01812472J050DFCT10000 **4,700pF**, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	**885012210027** 50V X7R1812224K050DFCT10000 **220,000pF**, ±10%, H=1.25mm DF≤2.5%, IR≥2.3G Ohm
885012008051 50V NP01206222J050DFCT10000 **2,200pF**, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	**885012208082** 50V X7R1206153K050DFCT10000 **15,000pF**, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	**885012208090** 50V X7R1206334K050DFCT10000 **330,000pF**, ±10%, H=1.25mm DF≤2.5%, IR≥1.5G Ohm	**885012108017** 16V X5R1206106M016DFCT10000 **10µF**, ±20%, H=1.6mm DF≤10%, IR≥0.01G Ohm	**885012009020** 50V NP01210332J050DFCT10000 **3,300pF**, ±5%, H=0.95mm Q≥1000, IR≥ 10G Ohm	**885012209044** 50V X7R1210334K050DFCT10000 **330,000pF**, ±10%, H=1.25mm DF≤2.5%, IR≥1.5G Ohm	**885012109010** 16V X5R1210226M016DFCT10000 **22µF**, ±20%, H=2.50mm DF≤10%, IR≥0.02G Ohm	**885012010012** 50V NP01812682J050DFCT10000 **6,800pF**, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	**885012210028** 50V X7R1812334K050DFCT10000 **330,000pF**, ±10%, H=1.25mm DF≤2.5%, IR≥1.5G Ohm
885012008052 50V NP01206332J050DFCT10000 **3,300pF**, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	**885012208083** 50V X7R1206223K050DFCT10000 **22,000pF**, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	**885012208091** 50V X7R1206474K050DFCT10000 **470,000pF**, ±10%, H=1.6mm DF≤3%, IR≥1.1G Ohm	**885012108018** 16V X5R1206226M016DFCT10000 **22µF**, ±20%, H=1.6mm DF≤10%, IR≥0.005G Ohm	**885012009021** 50V NP01210472J050DFCT10000 **4,700pF**, ±5%, H=0.95mm Q≥1000, IR≥ 10G Ohm	**885012209045** 50V X7R1210474K050DFCT10000 **470,000pF**, ±10%, H=1.25mm DF≤2.5%, IR≥1.1G Ohm	**885012109011** 16V X5R1210476M016DFCT10000 **47µF**, ±20%, H=2.50mm DF≤10%, IR≥0.002G Ohm	**885012010013** 50V NP01812103J050DFCT10000 **10,000pF**, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	**885012210029** 50V X7R1812474K050DFCT10000 **470,000pF**, ±10%, H=1.25mm DF≤2.5%, IR≥1.1G Ohm
885012008053 50V NP01206472J050DFCT10000 **4,700pF**, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	**885012208084** 50V X7R1206333K050DFCT10000 **33,000pF**, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	**885012208092** 50V X7R1206684K050DFCT10000 **680,000pF**, ±10%, H=1.6mm DF≤3%, IR≥0.7G Ohm	**885012108019** 25V X5R1206225M025DFCT10000 **2.2µF**, ±20%, H=1.6mm DF≤3.5%, IR≥0.2G Ohm	**885012009022** 50V NP01210682J050DFCT10000 **6,800pF**, ±5%, H=0.95mm Q≥1000, IR≥ 10G Ohm	**885012209046** 50V X7R1210684K050DFCT10000 **680,000pF**, ±10%, H=1.25mm DF≤2.5%, IR≥0.7G Ohm	**885012109012** 25V X5R1210475M025DFCT10000 **4.7µF**, ±20%, H=2.0mm DF≤3.5%, IR≥0.1G Ohm	**885012010014** 50V NP01812153J050DFCT10000 **15,000pF**, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	**885012210030** 50V X7R1812684K050DFCT10000 **680,000pF**, ±10%, H=2.0mm DF≤2.5%, IR≥0.7G Ohm
885012008054 50V NP01206682J050DFCT10000 **6,800pF**, ±5%, H=0.95mm Q≥1000, IR≥10G Ohm	**885012208085** 50V X7R1206473K050DFCT10000 **47,000pF**, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	**885012208093** 50V X7R1206105K050DFCT10000 **1µF**, ±10%, H=1.6mm DF≤3%, IR≥0.5G Ohm	**885012108020** 25V X5R1206475M025DFCT10000 **4.7µF**, ±20%, H=1.6mm DF≤7%, IR≥0.1G Ohm	**885012009023** 50V NP01210103J050DFCT10000 **10,000pF**, ±5%, H=0.95mm Q≥1000, IR≥ 10G Ohm	**885012209047** 50V X7R1210105K050DFCT10000 **1µF**, ±10%, H=1.25mm DF≤2.5%, IR≥0.5G Ohm	**885012109013** 25V X5R1210106M025DFCT10000 **10µF**, ±20%, H=2.0mm DF≤5%, IR≥0.01G Ohm	**885012010015** 50V NP01812223J050DFCT10000 **22,000pF**, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	**885012210031** 50V X7R1812105K050DFCT10000 **1µF**, ±10%, H=2.0mm DF≤2.5%, IR≥0.5G Ohm
885012008055 50V NP01206103J050DFCT10000 **10,000pF**, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	**885012208086** 50V X7R1206683K050DFCT10000 **68,000pF**, ±10%, H=0.8mm DF≤2.5%, IR≥7.4G Ohm	**885012208094** 50V X7R1206475K050DFCT10000 **4.7µF**, ±10%, H=1.6mm DF≤10%, IR≥0.02G Ohm	**885012108021** 25V X5R1206106M025DFCT10000 **10µF**, ±20%, H=1.6mm DF≤10%, IR≥0.01G Ohm	**885012009024** 50V NP01210153J050DFCT10000 **15,000pF**, ±5%, H=1.25mm Q≥1000, IR≥ 10G Ohm	**885012209048** 50V X7R1210475K050DFCT10000 **4.7µF**, ±10%, H=2.50mm DF≤5%, IR≥0.02G Ohm	**885012109014** 25V X5R1210226M025DFCT10000 **22µF**, ±20%, H=2.50mm DF≤10%, IR≥0.005G Ohm	**885012010016** 50V NP01812333J050DFCT10000 **33,000pF**, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	**885012210032** 50V X7R1812225K050DFCT10000 **2.2µF**, ±10%, H=2.50mm DF≤2.5%, IR≥0.2G Ohm

Dielectric	Operating Temperature
NP0	-55°C to +125°C
X7R	-55°C to +125°C
X5R	-55°C to +85°C

Dielectric	Capacitance Characteristics*
NP0	± 30ppm/°C; ± 0.54%/°C
X7R	± 15%
X5R	± 15%

*within Operating Temperature Range

6.3V
10V
16V
25V
50V

COMPLIANT RoHS&REACh WÜRTH ELEKTRONIK

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All products ex stock!

Please check datasheets on www.we-online.com for specifications. Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2015

ООО «ЛайфЭлектроникс» “LifeElectronics” LLC

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

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- *Подбор аналогов.*
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- *Приемлемые сроки поставки, возможна ускоренная поставка.*
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- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
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- *Входной контроль качества.*
- *Наличие сертификата ISO.*

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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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