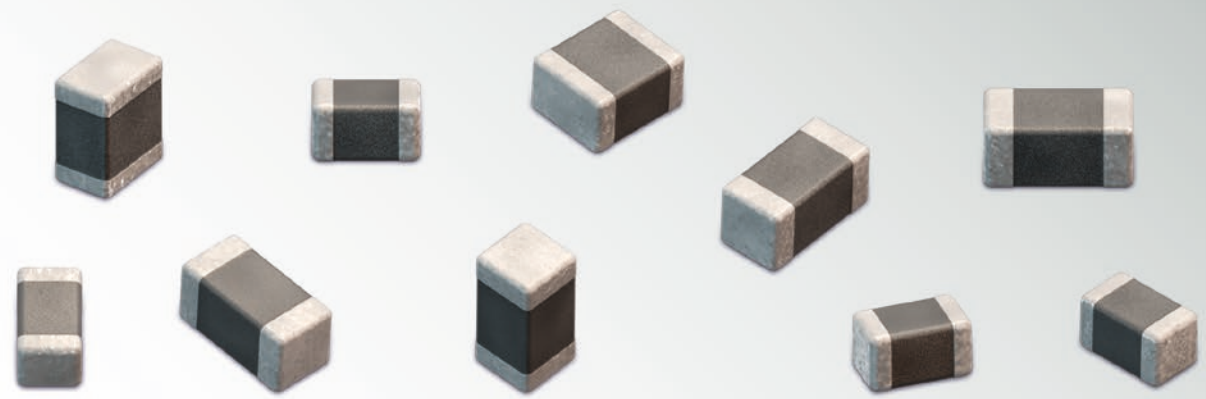




DESIGN KIT

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

NPO 1206		X7R 1206		X5R 1206		NPO 1210		X7R 1210		X5R 1210		NPO 1812		X7R 1812				
885 012 208 010 10V	NP0120633J010DFCT10000	885 012 208 019 10V	X7R1206226K010DFCT10000	885 012 208 087 50V	X7R1206104K050DFCT10000	885 012 108 005 6.3V	X5R1206107M6R3DFCT10000	885 012 209 017 50V	X7R1210102J050DFCT10000	885 012 209 006 10V	X7R1210226K010DFCT10000	885 012 109 004 6.3V	X5R1210107M6R3DFCT10000	885 012 210 009 50V	NP01812152J050DFCT10000	885 012 210 025 50V	X7R1812104K050DFCT10000	
33,000pF, ±5%, H=0.85mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		22μF, ±10%, H=1.6mm DF≤10%, IR ₂ ≥0.005G Ohm		100,000pF, ±10%, H=0.8mm DF≤2.5%, IR ₂ ≥5G Ohm		100μF, ±20%, H=1.6mm DF≤15%, IR ₂ ≥0.0005G Ohm		1,000pF, ±5%, H=0.95mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		22μF, ±10%, H=2.5mm DF≤5%, IR ₂ ≥0.1G Ohm		100μF, ±20%, H=2.5mm DF≤15%, IR ₂ ≥0.001G Ohm		1,500pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		100,000pF, ±10%, H=1.25mm DF≤2.5%, IR ₂ ≥5G Ohm		
885 012 208 049 50V	NP01206102J050DFCT10000	885 012 208 069 25V	X7R1206106K025DFCT10000	885 012 208 088 50V	X7R1206154K050DFCT10000	885 012 108 012 10V	X5R1206476M010DFCT10000	885 012 209 018 50V	NP01210152J050DFCT10000	885 012 209 028 25V	X7R1210106K025DFCT10000	885 012 109 008 16V	X5R1210475M016DFCT10000	885 012 210 010 50V	NP01812332J050DFCT10000	885 012 210 026 50V	X7R1812154K050DFCT10000	
1,000pF, ±5%, H=0.8mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		10μF, ±10%, H=1.6mm DF≤10%, IR ₂ ≥0.01G Ohm		150,000pF, ±10%, H=0.95mm DF≤2.5%, IR ₂ ≥3.3G Ohm		47μF, ±20%, H=1.6mm DF≤5%, IR ₂ ≥0.02G Ohm		1,500pF, ±5%, H=0.95mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		10μF, ±10%, H=2.0mm DF≤5%, IR ₂ ≥0.1G Ohm		4.7μF, ±20%, H=2.0mm DF≤5%, IR ₂ ≥0.1G Ohm		3,300pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		150,000pF, ±10%, H=1.25mm DF≤2.5%, IR ₂ ≥3.3G Ohm		
885 012 208 050 50V	NP01206152J050DFCT10000	885 012 208 081 50V	X7R1206103K050DFCT10000	885 012 208 089 50V	X7R1206224K050DFCT10000	885 012 108 015 16V	X5R1206335M016DFCT10000	885 012 209 019 50V	NP01210222J050DFCT10000	885 012 209 043 50V	X7R1210224K050DFCT10000	885 012 109 009 16V	X5R1210106M016DFCT10000	885 012 210 011 50V	NP01812472J050DFCT10000	885 012 210 027 50V	X7R1812224K050DFCT10000	
1,500pF, ±5%, H=0.8mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		10,000pF, ±10%, H=0.8mm DF≤2.5%, IR ₂ ≥10G Ohm		220,000pF, ±10%, H=0.95mm DF≤2.5%, IR ₂ ≥2.3G Ohm		3.3μF, ±20%, H=1.6mm DF≤5%, IR ₂ ≥0.2G Ohm		2,200pF, ±5%, H=0.95mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		220,000pF, ±10%, H=0.95mm DF≤2.5%, IR ₂ ≥2.3G Ohm		10μF, ±20%, H=2.0mm DF≤5%, IR ₂ ≥0.05G Ohm		4,700pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		4,700pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		220,000pF, ±10%, H=1.25mm DF≤2.5%, IR ₂ ≥2.3G Ohm
885 012 208 051 50V	NP01206222J050DFCT10000	885 012 208 082 50V	X7R1206153K050DFCT10000	885 012 208 090 50V	X7R1206334K050DFCT10000	885 012 108 017 16V	X5R1206106M016DFCT10000	885 012 209 020 50V	NP01210332J050DFCT10000	885 012 209 044 50V	X7R1210334K050DFCT10000	885 012 109 010 16V	X5R1210226M016DFCT10000	885 012 210 012 50V	NP01812682J050DFCT10000	885 012 210 028 50V	X7R1812334K050DFCT10000	
2,200pF, ±5%, H=0.8mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		15,000pF, ±10%, H=0.8mm DF≤2.5%, IR ₂ ≥10G Ohm		330,000pF, ±10%, H=1.25mm DF≤2.5%, IR ₂ ≥1.5G Ohm		10μF, ±20%, H=1.6mm DF≤10%, IR ₂ ≥0.01G Ohm		3,300pF, ±5%, H=0.95mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		330,000pF, ±10%, H=1.25mm DF≤2.5%, IR ₂ ≥1.5G Ohm		22μF, ±20%, H=2.50mm DF≤10%, IR ₂ ≥0.02G Ohm		6,800pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		6,800pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		330,000pF, ±10%, H=1.25mm DF≤2.5%, IR ₂ ≥1.5G Ohm
885 012 208 052 50V	NP01206332J050DFCT10000	885 012 208 083 50V	X7R1206223K050DFCT10000	885 012 208 091 50V	X7R1206474K050DFCT10000	885 012 108 018 16V	X5R1206226M016DFCT10000	885 012 209 021 50V	NP01210472J050DFCT10000	885 012 209 045 50V	X7R1210474K050DFCT10000	885 012 109 011 16V	X5R1210476M016DFCT10000	885 012 210 013 50V	NP01812103J050DFCT10000	885 012 210 029 50V	X7R1812474K050DFCT10000	
3,300pF, ±5%, H=0.8mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		22,000pF, ±10%, H=0.8mm DF≤2.5%, IR ₂ ≥10G Ohm		470,000pF, ±10%, H=1.6mm DF≤3%, IR ₂ ≥1.1G Ohm		22μF, ±20%, H=1.6mm DF≤10%, IR ₂ ≥0.005G Ohm		4,700pF, ±5%, H=0.95mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		470,000pF, ±10%, H=1.25mm DF≤2.5%, IR ₂ ≥1.1G Ohm		47μF, ±20%, H=2.50mm DF≤10%, IR ₂ ≥0.02G Ohm		10,000pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		10,000pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		470,000pF, ±10%, H=1.25mm DF≤2.5%, IR ₂ ≥1.1G Ohm
885 012 208 053 50V	NP01206472J050DFCT10000	885 012 208 084 50V	X7R1206333K050DFCT10000	885 012 208 092 50V	X7R1206684K050DFCT10000	885 012 108 019 25V	X5R1206225M025DFCT10000	885 012 209 022 50V	NP01210682J050DFCT10000	885 012 209 046 50V	X7R1210684K050DFCT10000	885 012 109 012 25V	X5R1210475M025DFCT10000	885 012 210 014 50V	NP01812153J050DFCT10000	885 012 210 030 50V	X7R1812684K050DFCT10000	
4,700pF, ±5%, H=0.8mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		33,000pF, ±10%, H=0.8mm DF≤2.5%, IR ₂ ≥10G Ohm		680,000pF, ±10%, H=1.6mm DF≤3%, IR ₂ ≥0.7G Ohm		2.2μF, ±20%, H=1.6mm DF≤3.5%, IR ₂ ≥0.2G Ohm		6,800pF, ±5%, H=0.95mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		680,000pF, ±10%, H=1.25mm DF≤2.5%, IR ₂ ≥0.7G Ohm		4.7μF, ±20%, H=2.0mm DF≤5%, IR ₂ ≥0.1G Ohm		15,000pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		15,000pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		680,000pF, ±10%, H=2.0mm DF≤2.5%, IR ₂ ≥0.7G Ohm
885 012 208 054 50V	NP01206682J050DFCT10000	885 012 208 085 50V	X7R1206473K050DFCT10000	885 012 208 093 50V	X7R1206105K050DFCT10000	885 012 108 020 25V	X5R1206475M025DFCT10000	885 012 209 023 50V	NP01210103J050DFCT10000	885 012 209 047 50V	X7R1210105K050DFCT10000	885 012 109 013 25V	X5R1210106M025DFCT10000	885 012 210 015 50V	NP01812223J050DFCT10000	885 012 210 031 50V	X7R1812105K050DFCT10000	
6,800pF, ±5%, H=0.95mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		47,000pF, ±10%, H=0.8mm DF≤2.5%, IR ₂ ≥10G Ohm		1μF, ±10%, H=1.6mm DF≤3%, IR ₂ ≥0.5G Ohm		4.7μF, ±20%, H=1.6mm DF≤7%, IR ₂ ≥0.1G Ohm		10,000pF, ±5%, H=0.95mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		1μF, ±10%, H=1.25mm DF≤2.5%, IR ₂ ≥0.5G Ohm		10μF, ±20%, H=2.0mm DF≤5%, IR ₂ ≥0.01G Ohm		22,000pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		22,000pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		1μF, ±10%, H=2.0mm DF≤2.5%, IR ₂ ≥0.5G Ohm
885 012 208 055 50V	NP01206103J050DFCT10000	885 012 208 086 50V	X7R1206683K050DFCT10000	885 012 208 094 50V	X7R1206475K050DFCT10000	885 012 108 021 25V	X5R1206106M025DFCT10000	885 012 209 024 50V	NP01210153J050DFCT10000	885 012 209 048 50V	X7R1210475K050DFCT10000	885 012 109 014 25V	X5R1210226M025DFCT10000	885 012 210 016 50V	NP01812333J050DFCT10000	885 012 210 032 50V	X7R1812225K050DFCT10000	
10,000pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		68,000pF, ±10%, H=0.8mm DF≤2.5%, IR ₂ ≥7.4G Ohm		4.7μF, ±10%, H=1.6mm DF≤10%, IR ₂ ≥0.02G Ohm		10μF, ±20%, H=1.6mm DF≤10%, IR ₂ ≥0.01G Ohm		15,000pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		4.7μF, ±10%, H=2.50mm DF≤5%, IR ₂ ≥0.02G Ohm		4.7μF, ±10%, H=2.50mm DF≤5%, IR ₂ ≥0.02G Ohm		15,000pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		33,000pF, ±5%, H=1.25mm Q ₂ ≥1000, IR ₂ ≥10G Ohm		2.2μF, ±10%, H=2.50mm DF≤2.5%, IR ₂ ≥0.2G Ohm

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

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

*within Operating Temperature Range

	6.3V
	10V
	16V
	25V
	50V



EMC COMPONENTS | INDUCTORS | TRANSFORMERS | RF COMPONENTS | CIRCUIT PROTECTION | EMC SHIELDING MATERIAL | CAPACITORS | CONNECTORS | SWITCHES | ASSEMBLY TECHNIQUE | POWER ELEMENTS

Important information: Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release.

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

www.we-online.com

All products
ex stock!

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9