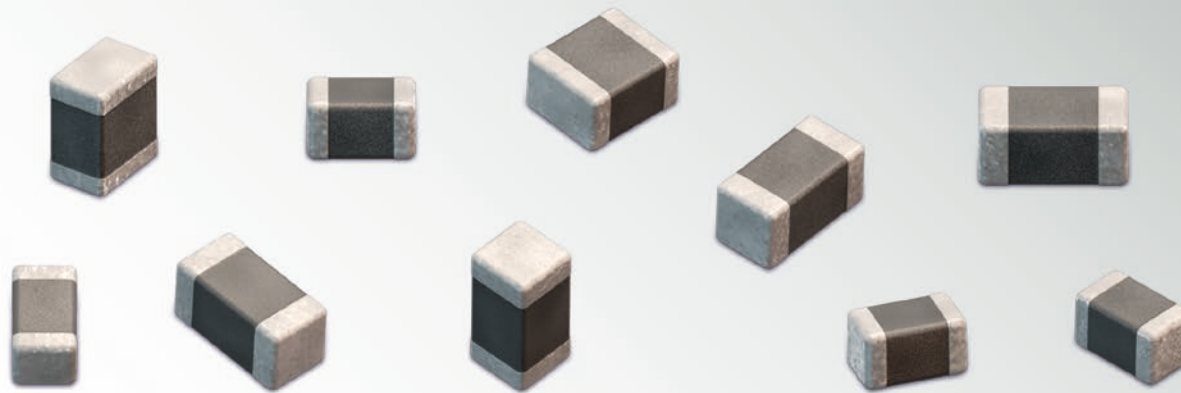


DESIGN KIT

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	
885 012 008 010	10V	885 012 208 019	10V	885 012 208 087	50V	885 012 108 005	6.3V	885 012 209 006	10V	885 012 109 004	6.3V	885 012 210 009	50V	885 012 210 025	50V
NP0120633J010DFCT10000		X7R1206226K010DFCT10000		X7R1206104K050DFCT10000		X5R1206107M6R3DFCT10000		X7R1210226K010DFCT10000		X5R1210107M6R3DFCT10000		NP01812152J050DFCT10000		X7R1812104K050DFCT10000	
33,000pF, ±5%, H=0.85mm Q≥1000, IR≥10G Ohm		22μF, ±10%, H=1.6mm DF≤10%, IR≥0.005G Ohm		100,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥5G Ohm		100μF, ±20%, H=1.6mm DF≤15%, IR≥0.0005G Ohm		22μF, ±10%, H=2.5mm DF≤10%, IR≥0.1G Ohm		100μF, ±20%, H=2.5mm DF≤15%, IR≥0.001G Ohm		1,500pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm		100,000pF, ±10%, H=1.25mm DF≤2.5%, IR≥5G Ohm	
885 012 008 049	50V	885 012 208 069	25V	885 012 208 088	50V	885 012 108 012	10V	885 012 209 028	25V	885 012 109 008	16V	885 012 210 010	50V	885 012 210 026	50V
NP01206102J050DFCT10000		X7R1206106K025DFCT10000		X7R1206154K050DFCT10000		X5R1206476M010DFCT10000		X7R1210106K025DFCT10000		X5R1210475M016DFCT10000		NP01812332J050DFCT10000		X7R1812154K050DFCT10000	
1,000pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm		10μF, ±10%, H=1.6mm DF≤10%, IR≥0.01G Ohm		150,000pF, ±10%, H=0.95mm DF≤2.5%, IR≥3.3G Ohm		47μF, ±20%, H=1.6mm DF≤10%, IR≥0.002G Ohm		10μF, ±10%, H=2.0mm DF≤5%, IR≥0.01G Ohm		4.7μF, ±20%, H=2.0mm DF≤5%, IR≥0.1G Ohm		3,300pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm		150,000pF, ±10%, H=1.25mm DF≤2.5%, IR≥3.3G Ohm	
885 012 008 050	50V	885 012 208 081	50V	885 012 208 089	50V	885 012 108 015	16V	885 012 209 043	50V	885 012 109 009	16V	885 012 210 011	50V	885 012 210 027	50V
NP01206152J050DFCT10000		X7R1206103K050DFCT10000		X7R1206224K050DFCT10000		X5R1206335M016DFCT10000		X7R1210224K050DFCT10000		X5R1210106M016DFCT10000		NP01812472J050DFCT10000		X7R1812224K050DFCT10000	
1,500pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm		10,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm		220,000pF, ±10%, H=0.95mm DF≤2.5%, IR≥2.3G Ohm		3.3μF, ±20%, H=1.6mm DF≤5%, IR≥0.2G Ohm		220,000pF, ±10%, H=0.95mm DF≤2.5%, IR≥2.3G Ohm		10μF, ±20%, H=2.0mm DF≤5%, IR≥0.05G Ohm		4,700pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm		220,000pF, ±10%, H=1.25mm DF≤2.5%, IR≥2.3G Ohm	
885 012 008 051	50V	885 012 208 082	50V	885 012 208 090	50V	885 012 108 017	16V	885 012 209 044	50V	885 012 109 010	16V	885 012 210 012	50V	885 012 210 028	50V
NP01206222J050DFCT10000		X7R1206153K050DFCT10000		X7R1206334K050DFCT10000		X5R1206106M016DFCT10000		X7R1210334K050DFCT10000		X5R1210226M016DFCT10000		NP01812682J050DFCT10000		X7R1812334K050DFCT10000	
2,200pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm		15,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm		330,000pF, ±10%, H=1.25mm DF≤2.5%, IR≥1.5G Ohm		10μF, ±20%, H=1.6mm DF≤10%, IR≥0.01G Ohm		3,300pF, ±5%, H=0.95mm Q≥1000, IR≥10G Ohm		330,000pF, ±10%, H=1.25mm DF≤2.5%, IR≥1.5G Ohm		6,800pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm		330,000pF, ±10%, H=1.25mm DF≤2.5%, IR≥1.5G Ohm	
885 012 008 052	50V	885 012 208 083	50V	885 012 208 091	50V	885 012 108 018	16V	885 012 209 045	50V	885 012 109 011	16V	885 012 210 013	50V	885 012 210 029	50V
NP01206332J050DFCT10000		X7R1206223K050DFCT10000		X7R1206474K050DFCT10000		X5R1206226M016DFCT10000		X7R1210474K050DFCT10000		X5R1210476M016DFCT10000		NP01812103J050DFCT10000		X7R1812474K050DFCT10000	
3,300pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm		22,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm		470,000pF, ±10%, H=1.6mm DF≤3%, IR≥1.1G Ohm		22μF, ±20%, H=1.6mm DF≤10%, IR≥0.005G Ohm		4,700pF, ±5%, H=0.95mm Q≥1000, IR≥10G Ohm		470,000pF, ±10%, H=1.25mm DF≤2.5%, IR≥1.1G Ohm		10,000pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm		470,000pF, ±10%, H=1.25mm DF≤2.5%, IR≥1.1G Ohm	
885 012 008 053	50V	885 012 208 084	50V	885 012 208 092	50V	885 012 108 019	25V	885 012 209 046	50V	885 012 109 012	25V	885 012 210 014	50V	885 012 210 030	50V
NP01206472J050DFCT10000		X7R1206333K050DFCT10000		X7R1206684K050DFCT10000		X5R1206225M025DFCT10000		X7R1210684K050DFCT10000		X5R1210475M025DFCT10000		NP01812153J050DFCT10000		X7R1812684K050DFCT10000	
4,700pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm		33,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm		680,000pF, ±10%, H=1.6mm DF≤3%, IR≥0.7G Ohm		2.2μF, ±20%, H=1.6mm DF≤3.5%, IR≥0.2G Ohm		6,800pF, ±5%, H=0.95mm Q≥1000, IR≥10G Ohm		680,000pF, ±10%, H=1.25mm DF≤2.5%, IR≥0.7G Ohm		15,000pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm		680,000pF, ±10%, H=2.0mm DF≤2.5%, IR≥0.7G Ohm	
885 012 008 054	50V	885 012 208 085	50V	885 012 208 093	50V	885 012 108 020	25V	885 012 209 047	50V	885 012 109 013	25V	885 012 210 015	50V	885 012 210 031	50V
NP01206682J050DFCT10000		X7R1206473K050DFCT10000		X7R1206105K050DFCT10000		X5R1206475M025DFCT10000		X7R1210105K050DFCT10000		X5R1210106M025DFCT10000		NP01812223J050DFCT10000		X7R1812105K050DFCT10000	
6,800pF, ±5%, H=0.95mm Q≥1000, IR≥10G Ohm		47,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm		1μF, ±10%, H=1.6mm DF≤3%, IR≥0.5G Ohm		4.7μF, ±20%, H=1.6mm DF≤7%, IR≥0.1G Ohm		10,000pF, ±5%, H=0.95mm Q≥1000, IR≥10G Ohm		1μF, ±10%, H=1.25mm DF≤2.5%, IR≥0.5G Ohm		22,000pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm		1μF, ±10%, H=2.0mm DF≤2.5%, IR≥0.5G Ohm	
885 012 008 055	50V	885 012 208 086	50V	885 012 208 094	50V	885 012 108 021	25V	885 012 209 048	50V	885 012 109 014	25V	885 012 210 016	50V	885 012 210 032	50V
NP01206103J050DFCT10000		X7R1206683K050DFCT10000		X7R1206475K050DFCT10000		X5R1206106M025DFCT10000		X7R1210153J050DFCT10000		X5R1210226M025DFCT10000		NP01812333J050DFCT10000		X7R1812225K050DFCT10000	
10,000pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm		68,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥7.4G Ohm		4.7μF, ±10%, H=1.6mm DF≤10%, IR≥0.02G Ohm		10μF, ±20%, H=1.6mm DF≤10%, IR≥0.01G Ohm		15,000pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm		4.7μF, ±10%, H=2.50mm DF≤5%, IR≥0.02G Ohm		33,000pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm		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



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!

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.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru