

DESIGN KIT

WCAP-CSGP Multilayer Ceramic Chip Capacitors 0805



SIZE:

080

TECHNICAL DATA:

Capacitance Range: 1pF ~ 47μF

Rated Voltages: 6.3V, 10V, 16V, 25V, 50V Dielectrics: NPO, X7R, X5R

Termination: Cu / Ni / Sn

Order Code 885 070 Version 1.0

WCAP-CSGP Multilayer Ceramic Chip Capacitors 0805

NPO				X7R				X5R		
385012007009 10 V	885 012 007 044 25 V	885 012 007 052 50 V	885 012 007 060 50 V	885 012 207 026 10 V	885 012 207 080 50 V	885 012 207 088 50 V	885 012 207 096 50 V	885 012 107 006 6.3 V	Dielectric	Operating
IP00805103J010DFCT10000	NP00805472J025DFCT10000	NP00805150J050DFCT10000	NP00805331J050DFCT10000	X7R0805106K010DFCT10000	X7R0805101K050DFCT10000	X7R0805222K050DFCT10000	X7R0805473K050DFCT10000	X5R0805476M6R3DFCT10000	Dielectric	Temperature
0,000pF, +/-5%, T=1.25mm >=1000, IR>=10G 0hm	4,700pF, +/-5%, T=1.25mm Q>=1000, IR>=10G 0hm	15pF, +/-5%, T=0.60mm Q>=400+20C, IR>=10G 0hm	330pF, +/-5%, T=0.60mm Q>=1000, IR>=10G 0hm	10μF, +/-10%, T=1.25mm DF=<10%, IR>=0.01G 0hm	100pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G 0hm	2,200pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G 0hm	47,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G 0hm	47μF, +/-20%, T=1.25mm DF=<15%, IR>=0.002G Ohm	NPO X7R	-55°C to +125°C
85 012 007 037 25 V	885 012 007 045 50 V	885 012 007 053 50 V	885 012 007 061 50 V	885 012 207 053 16 V	885 012 207 081 50 V	885 012 207 089 50 V	885 012 207 097 50 V	885 012 107 011 10 V	X5R	
P00805331J025DFCT10000	NP008051R0D050DFCT10000	NP00805220J050DFCT10000	NP00805471J050DFCT10000	X7R0805475K016DFCT10000	X7R0805151K050DFCT10000	X7R0805332K050DFCT10000	X7R0805683K050DFCT10000	X5R0805226M010DFCT10000	ХЭН	-55°C to +85°C
30pF, +/-5%, T=0.60mm >=1000, IR>=10G 0hm	1pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G 0hm	22pF, +/-5%, T=0.60mm Q>=400+20C, IR>=10G 0hm	470pF, +/-5%, T=0.80mm Q>=1000, IR>=10G 0hm	4.7µF, +/-10%, T=1.25mm DF=<10%, IR>=0.02G 0hm	150pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G 0hm	3,300pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G 0hm	68,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=7.4G Ohm	22µF, +/-20%, T=1.25mm DF=<10%, IR>=0.005G Ohm		
85012007038 25V	885 012 007 046 50 V	885 012 007 054 50 V	885 012 007 062 50 V	885 012 207 074 25 V	885 012 207 082 50 V	885 012 207 090 50 V	885 012 207 098 50 V	885012107013 16V	Dielectric	Capacitance Characteristics*
P00805471J025DFCT10000	NP008051R5D050DFCT10000	NP00805330J050DFCT10000	NP00805681J050DFCT10000	X7R0805224K025DFCT10000	X7R0805221K050DFCT10000	X7R0805472K050DFCT10000	X7R0805104K050DFCT10000	X5R0805475M016DFCT10000		
70pF, +/-5%, T=0.80mm >=1000, IR>=10G 0hm	1.5pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G 0hm	33pF, +/-5%, T=0.60mm Q>=1000, IR>=10G 0hm	680pF, +/-5%, T=0.80mm Q>=1000, IR>=10G 0hm	220,000pF, +/-10%, T=1.25mm DF=<3.5%, IR>=2.3G 0hm	220pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G 0hm	4,700pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	100,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=5G 0hm	4.7μF, +/-20%, T=1.25mm DF=<10%, IR>=0.02G 0hm	NP0 X7R	± 30ppm/°C; ± 0.54%/°C ± 15%
85 012 007 039 25 V	885 012 007 047 50 V	885 012 007 055 50 V	885 012 007 063 50 V	885 012 207 075 25 V	885 012 207 083 50 V	885 012 207 091 50 V	885 012 207 099 50 V	885 012 107 014 16 V	X5R	± 15%
IP00805681J025DFCT10000	NP008052R2D050DFCT10000	NP00805470J050DFCT10000	NP00805102J050DFCT10000	X7R0805334K025DFCT10000	X7R0805331K050DFCT10000	X7R0805682K050DFCT10000	X7R0805154K050DFCT10000	X5R0805106M016DFCT10000	*within Operating Temperature Range	
880pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	2.2pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G 0hm	47pF, +/-5%, T=0.60mm Q>=1000, IR>=10G 0hm	1,000pF, +/-5%, T=0.80mm Q>=1000, IR>=10G 0hm	330,000pF, +/-10%, T=1.25mm DF=<3.5%, IR>=1.5G Ohm	330pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G 0hm	6,800pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	150,000pF, +/-10%, T=1.25mm DF=<2.5%, IR>=3.3G Ohm	10μF, +/-20%, T=1.25mm DF=<10%, IR>=0.01G Ohm		
85 012 007 040 25 V	885 012 007 048 50 V	885 012 007 056 50 V	885 012 007 064 50 V	885 012 207 076 25 V	885 012 207 084 50 V	885 012 207 092 50 V	885 012 207 100 50 V	885 012 107 015 25 V		6
IP00805102J025DFCT10000	NP008053R3D050DFCT10000	NP00805680J050DFCT10000	NP00805152J050DFCT10000	X7R0805474K025DFCT10000	X7R0805471K050DFCT10000	X7R0805103K050DFCT10000	X7R0805224K050DFCT10000	X5R0805105M025DFCT10000		1
,000pF, +/-5%, T=0.80mm >=1000, IR>=10G 0hm	3.3pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G 0hm	68pF, +/-5%, T=0.60mm Q>=1000, IR>=10G 0hm	1,500pF, +/-5%, T=0.80mm Q>=1000, IR>=10G 0hm	470,000pF, +/-10%, T=1.25mm DF=<3.5%, IR>=1.1G Ohm	470pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	10,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	220,000pF, +/-10%, T=1.25mm DF=<3%, IR>=2.3G 0hm	1μF, +/-20%, T=1.25mm DF=<5%, IR>=0.5G Ohm		2
85 012 007 041 25 V	885 012 007 049 50 V	885 012 007 057 50 V	885 012 007 065 50 V	885 012 207 077 25 V	885 012 207 085 50 V	885 012 207 093 50 V	885 012 207 101 50 V	885 012 107 016 25 V		5
P00805152J025DFCT10000	NP008054R7D050DFCT10000	NP00805101J050DFCT10000	NP00805222J050DFCT10000	X7R0805684K025DFCT10000	X7R0805681K050DFCT10000	X7R0805153K050DFCT10000	X7R0805334K050DFCT10000	X5R0805225M025DFCT10000		
,500pF, +/-5%, T=0.80mm l>=1000, IR>=10G 0hm	4.7pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G 0hm	100pF, +/-5%, T=0.60mm Q>=1000, IR>=10G 0hm	2,200pF, +/-5%, T=0.80mm Q>=1000, IR>=10G 0hm	680,000pF, +/-10%, T=1.25mm DF=<3.5%, IR>=0.7G Ohm	680pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	15,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	330,000pF, +/-10%, T=1.25mm DF=<3%, IR>=1.5G 0hm	2.2μF, +/-20%, T=1.25mm DF=<10%, IR>=0.05G Ohm		
85012007042 25 V	885 012 007 050 50 V	885 012 007 058 50 V	885 012 007 066 50 V	885 012 207 078 25 V	885 012 207 086 50 V	885 012 207 094 50 V	885 012 207 102 50 V	885 012 107 017 25 V	A - 4	COMPLIAI
P00805222J025DFCT10000	NP008056R8D050DFCT10000	NP00805151J050DFCT10000	NP00805332J050DFCT10000	X7R0805105K025DFCT10000	X7R0805102K050DFCT10000	X7R0805223K050DFCT10000	X7R0805474K050DFCT10000	X5R0805335M025DFCT10000		ROHS&REA
,200pF, +/-5%, T=0.80mm >=1000, IR>=10G 0hm	6.8pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G 0hm	150pF, +/-5%, T=0.60mm Q>=1000, IR>=10G 0hm	3,300pF, +/-5%, T=1.25mm Q>=1000, IR>=10G 0hm	1µF, +/-10%, T=1.25mm DF=<5%, IR>=0.5G Ohm	1,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G 0hm	22,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G 0hm	470,000pF, +/-10%, T=1.25mm DF=<3%, IR>=1.1G 0hm	3.3µF, +/-20%, T=1.25mm DF=<10%, IR>=0.03G Ohm		
85012007043 25V	885 012 007 051 50 V	885 012 007 059 50 V	885 012 007 067 50 V	885 012 207 079 25 V	885 012 207 087 50 V	885 012 207 095 50 V	885 012 207 103 50 V	885 012 107 018 25 V		
P00805332J025DFCT10000	NP00805100J050DFCT10000	NP00805221J050DFCT10000	NP00805472J050DFCT10000	X7R0805225K025DFCT10000	X7R0805152K050DFCT10000	X7R0805333K050DFCT10000	X7R0805105K050DFCT10000	X5R0805475M025DFCT10000		
,300pF, +/-5%, T=1.25mm I>=1000, IR>=10G 0hm	10pF, +/-5%, T=0.60mm Q>=400+20C, IR>=10G 0hm	220pF, +/-5%, T=0.60mm Q>=1000, IR>=10G 0hm	4,700pF, +/-5%, T=1.25mm Q>=1000, IR>=10G 0hm	2.2µF, +/-10%, T=1.25mm DF=<10%, IR>=0.05G Ohm	1,500pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G 0hm	33,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G 0hm	1μF, +/-10%, T=1.25mm DF=<10%, IR>=0.1G 0hm	4.7μF, +/-20%, T=1.25mm DF=<10%, IR>=0.02G 0hm		

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