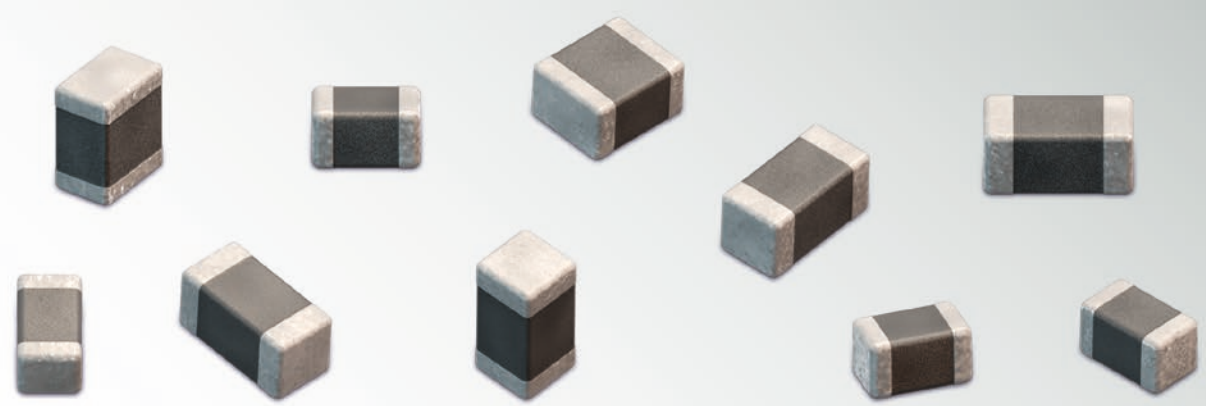




DESIGN KIT

WCAP-CSGP Multilayer Ceramic Chip Capacitors 0805



SIZE:
0805

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	
885 012 007 009 10V NP00805103J010DFCT10000 10,000pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	885 012 007 044 25V NP00805472J025DFCT10000 4,700pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	885 012 007 052 50V NP00805150J050DFCT10000 15pF, ±5%, H=0.6mm Q≥400+20C, IR≥10G Ohm	885 012 007 060 50V NP00805331J050DFCT10000 330pF, ±5%, H=0.6mm Q≥1000, IR≥10G Ohm	885 012 207 026 10V X7R0805106K010DFCT10000 10µF, ±10%, H=1.25mm DF≤2.5%, IR≥0.01G Ohm	885 012 207 080 50V X7R0805101K050DFCT10000 100pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 088 50V X7R0805222K050DFCT10000 2,200pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 096 50V X7R0805473K050DFCT10000 47,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 107 006 6.3V X5R0805476M6R3DFCT10000 47µF, ±20%, H=1.25mm DF≤15%, IR≥0.002G Ohm			
885 012 007 037 25V NP00805331J025DFCT10000 330pF, ±5%, H=0.6mm Q≥1000, IR≥10G Ohm	885 012 007 045 50V NP008051R0D050DFCT10000 1pF, ±0.5pF, H=0.6mm Q≥400+20C, IR≥10G Ohm	885 012 007 053 50V NP00805220J050DFCT10000 22pF, ±5%, H=0.6mm Q≥400+20C, IR≥10G Ohm	885 012 007 061 50V NP00805471J050DFCT10000 470pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	885 012 207 053 16V X7R0805475K016DFCT10000 4.7µF, ±10%, H=1.25mm DF≤3.5%, IR≥0.02G Ohm	885 012 207 081 50V X7R0805151K050DFCT10000 150pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 089 50V X7R0805332K050DFCT10000 3,300pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 097 50V X7R0805683K050DFCT10000 68,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥7.4G Ohm	885 012 107 011 10V X5R0805226M010DFCT10000 22µF, ±20%, H=1.25mm DF≤10%, IR≥0.005G Ohm			
885 012 007 038 25V NP00805471J025DFCT10000 470pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	885 012 007 046 50V NP008051R5D050DFCT10000 1.5pF, ±0.5pF, H=0.6mm Q≥400+20C, IR≥10G Ohm	885 012 007 054 50V NP00805330J050DFCT10000 33pF, ±5%, H=0.6mm Q≥1000, IR≥10G Ohm	885 012 007 062 50V NP00805681J050DFCT10000 680pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	885 012 207 074 25V X7R0805224K025DFCT10000 220,000pF, ±10%, H=1.25mm DF≤3.5%, IR≥2.3G Ohm	885 012 207 082 50V X7R0805221K050DFCT10000 220pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 090 50V X7R0805472K050DFCT10000 4,700pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 098 50V X7R0805104K050DFCT10000 100,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥5G Ohm	885 012 107 013 16V X5R0805475M016DFCT10000 4.7µF, ±20%, H=1.25mm DF≤10%, IR≥0.02G Ohm			
885 012 007 039 25V NP00805681J025DFCT10000 680pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	885 012 007 047 50V NP008052R2D050DFCT10000 2.2pF, ±0.5pF, H=0.6mm Q≥400+20C, IR≥10G Ohm	885 012 007 055 50V NP00805470J050DFCT10000 47pF, ±5%, H=0.6mm Q≥1000, IR≥10G Ohm	885 012 007 063 50V NP00805102J050DFCT10000 1,000pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	885 012 207 075 25V X7R0805334K025DFCT10000 330,000pF, ±10%, H=1.25mm DF≤3.5%, IR≥1.5G Ohm	885 012 207 083 50V X7R0805331K050DFCT10000 330pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 091 50V X7R0805682K050DFCT10000 6,800pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 099 50V X7R0805154K050DFCT10000 150,000pF, ±10%, H=1.25mm DF≤2.5%, IR≥3.3G Ohm	885 012 107 014 16V X5R0805106M016DFCT10000 10µF, ±20%, H=1.25mm DF≤10%, IR≥0.01G Ohm			
885 012 007 040 25V NP00805102J025DFCT10000 1,000pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	885 012 007 048 50V NP008053R3D050DFCT10000 3.3pF, ±0.5pF, H=0.6mm Q≥400+20C, IR≥10G Ohm	885 012 007 056 50V NP00805680J050DFCT10000 68pF, ±5%, H=0.6mm Q≥1000, IR≥10G Ohm	885 012 007 064 50V NP00805152J050DFCT10000 1,500pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	885 012 207 076 25V X7R0805474K025DFCT10000 470,000pF, ±10%, H=1.25mm DF≤3.5%, IR≥1.1G Ohm	885 012 207 084 50V X7R0805471K050DFCT10000 470pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 092 50V X7R0805103K050DFCT10000 10,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 100 50V X7R0805224K050DFCT10000 220,000pF, ±10%, H=1.25mm DF≤3%, IR≥2.3G Ohm	885 012 107 015 25V X5R0805105M025DFCT10000 1µF, ±20%, H=1.25mm DF≤5%, IR≥0.5G Ohm			
885 012 007 041 25V NP00805152J025DFCT10000 1,500pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	885 012 007 049 50V NP008054R7D050DFCT10000 4.7pF, ±0.5pF, H=0.6mm Q≥400+20C, IR≥10G Ohm	885 012 007 057 50V NP00805101J050DFCT10000 100pF, ±5%, H=0.6mm Q≥1000, IR≥10G Ohm	885 012 007 065 50V NP00805222J050DFCT10000 2,200pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	885 012 207 077 25V X7R0805684K025DFCT10000 680,000pF, ±10%, H=1.25mm DF≤3.5%, IR≥0.7G Ohm	885 012 207 085 50V X7R0805681K050DFCT10000 680pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 093 50V X7R0805153K050DFCT10000 15,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 101 50V X7R0805334K050DFCT10000 330,000pF, ±10%, H=1.25mm DF≤3%, IR≥1.5G Ohm	885 012 107 016 25V X5R0805225M025DFCT10000 2.2µF, ±20%, H=1.25mm DF≤10%, IR≥0.05G Ohm			
885 012 007 042 25V NP00805222J025DFCT10000 2,200pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	885 012 007 050 50V NP008056R8D050DFCT10000 6.8pF, ±0.5pF, H=0.6mm Q≥400+20C, IR≥10G Ohm	885 012 007 058 50V NP00805151J050DFCT10000 150pF, ±5%, H=0.6mm Q≥1000, IR≥10G Ohm	885 012 007 066 50V NP00805332J050DFCT10000 3,300pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	885 012 207 078 25V X7R0805105K025DFCT10000 1µF, ±10%, H=1.25mm DF≤5%, IR≥0.5G Ohm	885 012 207 086 50V X7R0805102K050DFCT10000 1,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 094 50V X7R0805223K050DFCT10000 22,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 102 50V X7R0805474K050DFCT10000 470,000pF, ±10%, H=1.25mm DF≤3%, IR≥1.1G Ohm	885 012 107 017 25V X5R0805335M025DFCT10000 3.3µF, ±20%, H=1.25mm DF≤10%, IR≥0.03G Ohm			
885 012 007 043 25V NP00805332J025DFCT10000 3,300pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	885 012 007 051 50V NP00805100J050DFCT10000 10pF, ±5%, H=0.6mm Q≥400+20C, IR≥10G Ohm	885 012 007 059 50V NP00805221J050DFCT10000 220pF, ±5%, H=0.6mm Q≥1000, IR≥10G Ohm	885 012 007 067 50V NP00805472J050DFCT10000 470pF, ±5%, H=1.25mm Q≥1000, IR≥10G Ohm	885 012 207 079 25V X7R0805225K025DFCT10000 2.2µF, ±10%, H=1.25mm DF≤10%, IR≥0.05G Ohm	885 012 207 087 50V X7R0805152K050DFCT10000 1,500pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 095 50V X7R0805333K050DFCT10000 33,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	885 012 207 103 50V X7R0805105K050DFCT10000 1µF, ±10%, H=1.25mm DF≤10%, IR≥0.1G Ohm	885 012 107 018 25V X5R0805475M025DFCT10000 4.7µF, ±20%, H=1.25mm DF≤10%, IR≥0.02G 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



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