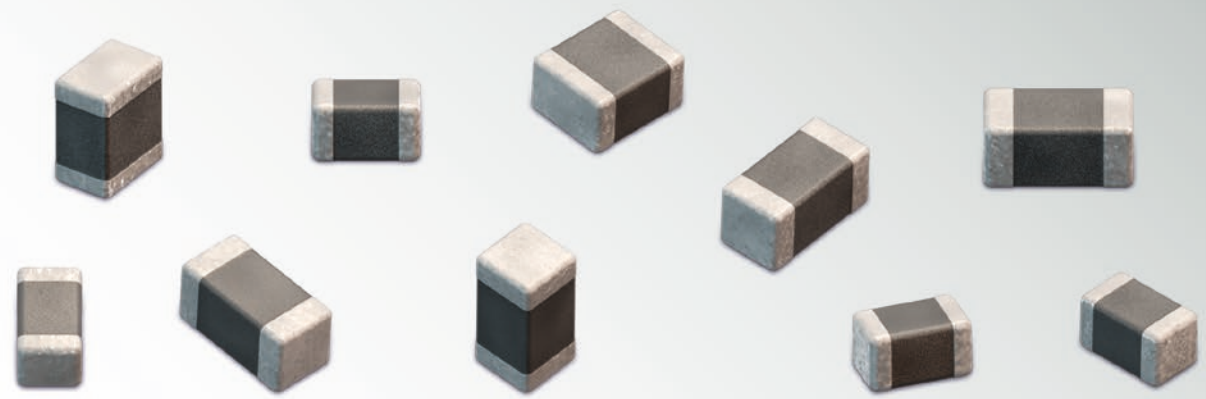




DESIGN KIT

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	885 012 007 044 25V	885 012 007 052 50V	885 012 007 060 50V	885 012 207 026 10V	885 012 207 080 50V
NP00805103J010DFCT10000 10,000pF, +/-5%, T=1.25mm Q>=1000, IR>=10G Ohm	NP00805472J025DFCT10000 4,700pF, +/-5%, T=1.25mm Q>=1000, IR>=10G Ohm	NP00805150J050DFCT10000 15pF, +/-5%, T=0.60mm Q>=400+20C, IR>=10G Ohm	NP00805331J050DFCT10000 330pF, +/-5%, T=0.60mm Q>=1000, IR>=10G Ohm	X7R0805106K010DFCT10000 10µF, +/-10%, T=1.25mm DF<=10%, IR>=0.01G Ohm	X7R0805101K050DFCT10000 100pF, +/-10%, T=0.80mm DF<=2.5%, IR>=10G Ohm
885 012 007 037 25V	885 012 007 045 50V	885 012 007 053 50V	885 012 007 061 50V	885 012 207 026 16V	885 012 207 081 50V
NP00805331J025DFCT10000 330pF, +/-5%, T=0.60mm Q>=1000, IR>=10G Ohm	NP008051R0D050DFCT10000 1pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G Ohm	NP0080522J050DFCT10000 22pF, +/-5%, T=0.60mm Q>=400+20C, IR>=10G Ohm	NP00805471J050DFCT10000 470pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	X7R0805475K016DFCT10000 4.7µF, +/-10%, T=1.25mm DF<=10%, IR>=0.02G Ohm	X7R0805151K050DFCT10000 150pF, +/-10%, T=0.80mm DF<=2.5%, IR>=10G Ohm
885 012 007 038 25V	885 012 007 046 50V	885 012 007 054 50V	885 012 007 062 50V	885 012 207 074 25V	885 012 207 082 50V
NP00805471J025DFCT10000 470pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	NP008051R5D050DFCT10000 1.5pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G Ohm	NP0080533J050DFCT10000 33pF, +/-5%, T=0.60mm Q>=1000, IR>=10G Ohm	NP00805681J050DFCT10000 680pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	X7R0805224K025DFCT10000 220,000pF, +/-10%, T=1.25mm DF<=3.5%, IR>=2.3G Ohm	X7R0805221K050DFCT10000 220pF, +/-10%, T=0.80mm DF<=2.5%, IR>=10G Ohm
885 012 007 039 25V	885 012 007 047 50V	885 012 007 055 50V	885 012 007 063 50V	885 012 207 075 25V	885 012 207 083 50V
NP00805681J025DFCT10000 680pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	NP008052R2D050DFCT10000 2.2pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G Ohm	NP0080547J050DFCT10000 47pF, +/-5%, T=0.60mm Q>=1000, IR>=10G Ohm	NP00805102J050DFCT10000 1,000pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	X7R0805334K025DFCT10000 330,000pF, +/-10%, T=1.25mm DF<=3.5%, IR>=1.5G Ohm	X7R0805331K050DFCT10000 330pF, +/-10%, T=0.80mm DF<=2.5%, IR>=10G Ohm
885 012 007 040 25V	885 012 007 048 50V	885 012 007 056 50V	885 012 007 064 50V	885 012 207 076 25V	885 012 207 084 50V
NP00805102J025DFCT10000 1,000pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	NP008053R3D050DFCT10000 3.3pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G Ohm	NP0080568J050DFCT10000 68pF, +/-5%, T=0.60mm Q>=1000, IR>=10G Ohm	NP00805152J050DFCT10000 1,500pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	X7R0805474K025DFCT10000 470,000pF, +/-10%, T=1.25mm DF<=3.5%, IR>=1.1G Ohm	X7R0805471K050DFCT10000 470pF, +/-10%, T=0.80mm DF<=2.5%, IR>=10G Ohm
885 012 007 041 25V	885 012 007 049 50V	885 012 007 057 50V	885 012 007 065 50V	885 012 207 077 25V	885 012 207 085 50V
NP00805152J025DFCT10000 1,500pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	NP008054R7D050DFCT10000 4.7pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G Ohm	NP00805101J050DFCT10000 100pF, +/-5%, T=0.60mm Q>=1000, IR>=10G Ohm	NP00805222J050DFCT10000 2,200pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	X7R0805684K025DFCT10000 680,000pF, +/-10%, T=1.25mm DF<=3.5%, IR>=0.7G Ohm	X7R0805681K050DFCT10000 680pF, +/-10%, T=0.80mm DF<=2.5%, IR>=10G Ohm
885 012 007 042 25V	885 012 007 050 50V	885 012 007 058 50V	885 012 007 066 50V	885 012 207 078 25V	885 012 207 086 50V
NP00805222J025DFCT10000 2,200pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	NP008056R8D050DFCT10000 6.8pF, +/-0.5pF, T=0.60mm Q>=400+20C, IR>=10G Ohm	NP00805151J050DFCT10000 150pF, +/-5%, T=0.60mm Q>=1000, IR>=10G Ohm	NP00805332J050DFCT10000 3,300pF, +/-5%, T=1.25mm Q>=1000, IR>=10G Ohm	X7R0805105K025DFCT10000 1µF, +/-10%, T=1.25mm DF<=5%, IR>=0.5G Ohm	X7R0805102K050DFCT10000 1,000pF, +/-10%, T=0.80mm DF<=2.5%, IR>=10G Ohm
885 012 007 043 25V	885 012 007 051 50V	885 012 007 059 50V	885 012 007 067 50V	885 012 207 079 25V	885 012 207 087 50V
NP00805332J025DFCT10000 3,300pF, +/-5%, T=1.25mm Q>=1000, IR>=10G Ohm	NP00805100J050DFCT10000 10pF, +/-5%, T=0.60mm Q>=400+20C, IR>=10G Ohm	NP00805221J050DFCT10000 220pF, +/-5%, T=0.60mm Q>=1000, IR>=10G Ohm	NP00805472J050DFCT10000 470pF, +/-5%, T=1.25mm Q>=1000, IR>=10G Ohm	X7R0805225K025DFCT10000 2.2µF, +/-10%, T=1.25mm DF<=10%, IR>=0.05G Ohm	X7R0805152K050DFCT10000 1,500pF, +/-10%, T=0.80mm DF<=2.5%, IR>=10G 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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