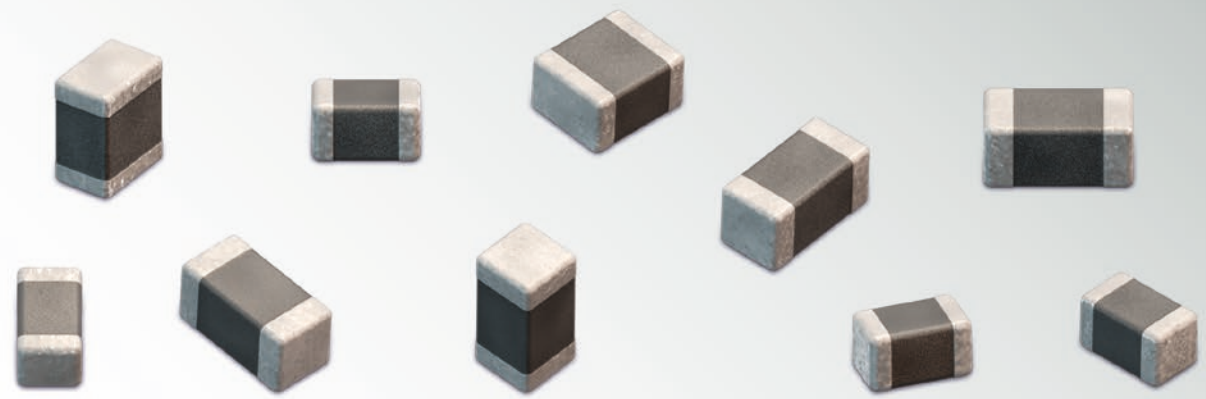




DESIGN KIT

WCAP-CSGP Multilayer Ceramic Chip Capacitors 0603



SIZE:
0603

TECHNICAL DATA:
Capacitance Range: 1pF ~ 10µF
Rated Voltages: 6.3V, 10V, 16V, 25V, 50V
Dielectrics: NPO, X7R, X5R
Termination: Cu / Ni / Sn

Order Code 885 060
Version 1.0

WCAP-CSGP Multilayer Ceramic Chip Capacitors 0603

NPO		X7R		X5R				
885 012 006 015 10V NP00603222J010DFCT10000 2,200pF, +/-5%, T=0.8mm Q>=1000, IR>=10G Ohm	885 012 006 040 25V NP00603221J025DFCT10000 220pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 048 50V NP006033R3D050DFCT10000 3.3pF, +/- 0.5pF, T=0.80mm Q>=400+20C, IR>=10G Ohm	885 012 006 056 50V NP00603680J050DFCT10000 68pF, +/- 5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 206 027 10V X7R0603225K010DFCT10000 2.2pF, +/- 10%, T=0.8mm DF=<10%, IR>=0.05G Ohm	885 012 206 072 25V X7R0603154K025DFCT10000 150,000pF, +/- 10%, T=0.8mm DF=<3.5%, IR>=3.3G Ohm	885 012 206 080 50V X7R0603331K050DFCT10000 330pF, +/- 10%, T=0.8mm DF=<2.5%, IR>=10G Ohm	885 012 206 088 50V X7R0603682K050DFCT10000 6,800pF, +/- 10%, T=0.8mm DF=<2.5%, IR>=10G Ohm	885 012 106 006 6.3V X5R0603106M6R3DFCT10000 10µF, +/- 20%, T=0.8mm DF=<15%, IR>=0.01G Ohm
885 012 006 016 10V NP0060332J010DFCT10000 3,300pF, +/-5%, T=0.8mm Q>=1000, IR>=10G Ohm	885 012 006 041 25V NP00603331J025DFCT10000 330pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 049 50V NP006034R7D050DFCT10000 4.7pF, +/-0.5pF, T=0.80mm Q>=400+20C, IR>=10G Ohm	885 012 006 057 50V NP00603101J050DFCT10000 100pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 206 065 25V X7R0603103K025DFCT10000 10,000pF, +/-10%, T=0.8mm DF=<3.5%, IR>=2.3G Ohm	885 012 206 073 25V X7R0603224K025DFCT10000 220,000pF, +/-10%, T=0.8mm DF=<3.5%, IR>=2.3G Ohm	885 012 206 081 50V X7R0603471K050DFCT10000 470pF, +/-10%, T=0.8mm DF=<2.5%, IR>=10G Ohm	885 012 206 089 50V X7R0603103K050DFCT10000 10,000pF, +/-10%, T=0.8mm DF=<2.5%, IR>=10G Ohm	885 012 106 007 10V X5R0603334M010DFCT10000 330,000pF, +/-20%, T=0.8mm DF=<10%, IR>=1.5G Ohm
885 012 006 034 25V NP00603220J025DFCT10000 22pF, +/-5%, T=0.80mm Q>=400+20C, IR>=10G Ohm	885 012 006 042 25V NP00603471J025DFCT10000 470pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 050 50V NP0060368R050DFCT10000 6.8pF, +/-0.5pF, T=0.80mm Q>=400+20C, IR>=10G Ohm	885 012 006 058 50V NP00603151J050DFCT10000 150pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 206 066 25V X7R0603153K025DFCT10000 15,000pF, +/-10%, T=0.80mm DF=<3.5%, IR>=10G Ohm	885 012 206 074 25V X7R0603334K025DFCT10000 330,000pF, +/-10%, T=0.80mm DF=<7%, IR>=1.5G Ohm	885 012 206 082 50V X7R0603681K050DFCT10000 680pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 206 090 50V X7R0603153K050DFCT10000 15,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 106 012 10V X5R0603475M010DFCT10000 4.7µF, +/-20%, T=0.80mm DF=<10%, IR>=0.02G Ohm
885 012 006 035 25V NP0060330J025DFCT10000 33pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 043 25V NP00603681J025DFCT10000 680pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 051 50V NP0060310J050DFCT10000 10pF, +/-5%, T=0.80mm Q>=400+20C, IR>=10G Ohm	885 012 006 059 50V NP00603221J050DFCT10000 220pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 206 067 25V X7R0603223K025DFCT10000 22,000pF, +/-10%, T=0.80mm DF=<3.5%, IR>=10G Ohm	885 012 206 075 25V X7R0603474K025DFCT10000 470,000pF, +/-10%, T=0.80mm DF=<10%, IR>=1.1G Ohm	885 012 206 083 50V X7R0603102K050DFCT10000 1,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 206 091 50V X7R0603223K050DFCT10000 22,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 106 018 16V X5R0603225M016DFCT10000 2.2µF, +/-20%, T=0.80mm DF=<10%, IR>=0.05G Ohm
885 012 006 036 25V NP00603470J025DFCT10000 47pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 044 25V NP00603102J025DFCT10000 1,000pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 052 50V NP00603150J050DFCT10000 15pF, +/-5%, T=0.80mm Q>=400+20C, IR>=10G Ohm	885 012 006 060 50V NP00603331J050DFCT10000 330pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 206 068 25V X7R0603333K025DFCT10000 33,000pF, +/-10%, T=0.80mm DF=<3.5%, IR>=10G Ohm	885 012 206 076 25V X7R0603105K025DFCT10000 1µF, +/-10%, T=0.80mm DF=<10%, IR>=0.5G Ohm	885 012 206 084 50V X7R0603152K050DFCT10000 1,500pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 206 092 50V X7R0603333K050DFCT10000 33,000pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 106 019 25V X5R0603224M025DFCT10000 220,000pF, +/-20%, T=0.80mm DF=<3.5%, IR>=2.3G Ohm
885 012 006 037 25V NP00603680J025DFCT10000 68pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 045 50V NP006031R0D050DFCT10000 1pF, +/-0.5pF, T=0.80mm Q>=400+20C, IR>=10G Ohm	885 012 006 053 50V NP00603220J050DFCT10000 22pF, +/-5%, T=0.80mm Q>=400+20C, IR>=10G Ohm	885 012 006 061 50V NP00603471J050DFCT10000 470pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 206 069 25V X7R0603473K025DFCT10000 47,000pF, +/-10%, T=0.80mm DF=<3.5%, IR>=10G Ohm	885 012 206 077 50V X7R0603101K050DFCT10000 100pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 206 085 50V X7R0603222K050DFCT10000 2,200pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 206 093 50V X7R0603473K050DFCT10000 47,000pF, +/-10%, T=0.80mm DF=<3%, IR>=10G Ohm	885 012 106 020 25V X5R0603474M025DFCT10000 470,000pF, +/-20%, T=0.80mm DF=<10%, IR>=1.1G Ohm
885 012 006 038 25V NP00603101J025DFCT10000 100pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 046 50V NP006031R5D050DFCT10000 1.5pF, +/-0.5pF, T=0.80mm Q>=400+20C, IR>=10G Ohm	885 012 006 054 50V NP00603330J050DFCT10000 33pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 062 50V NP00603681J050DFCT10000 680pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 206 070 25V X7R0603683K025DFCT10000 68,000pF, +/-10%, T=0.80mm DF=<3.5%, IR>=7.4G Ohm	885 012 206 078 50V X7R0603151K050DFCT10000 150pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 206 086 50V X7R0603332K050DFCT10000 3,300pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 206 094 50V X7R0603683K050DFCT10000 68,000pF, +/-10%, T=0.80mm DF=<3%, IR>=7.4G Ohm	885 012 106 021 25V X5R0603684M025DFCT10000 680,000pF, +/-20%, T=0.80mm DF=<10%, IR>=0.7G Ohm
885 012 006 039 25V NP00603151J025DFCT10000 150pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 047 50V NP006032R2D050DFCT10000 2.2pF, +/-0.5pF, T=0.80mm Q>=400+20C, IR>=10G Ohm	885 012 006 055 50V NP00603470J050DFCT10000 47pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 006 063 50V NP00603102J050DFCT10000 1,000pF, +/-5%, T=0.80mm Q>=1000, IR>=10G Ohm	885 012 206 071 25V X7R0603104K025DFCT10000 100,000pF, +/-10%, T=0.80mm DF=<3.5%, IR>=5G Ohm	885 012 206 079 50V X7R0603221K050DFCT10000 220pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 206 087 50V X7R0603472K050DFCT10000 4,700pF, +/-10%, T=0.80mm DF=<2.5%, IR>=10G Ohm	885 012 206 095 50V X7R0603104K050DFCT10000 100,000pF, +/-10%, T=0.80mm DF=<3%, IR>=5G Ohm	885 012 106 022 25V X5R0603105M025DFCT10000 1µF, +/-20%, T=0.80mm DF=<10%, IR>=0.5G 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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