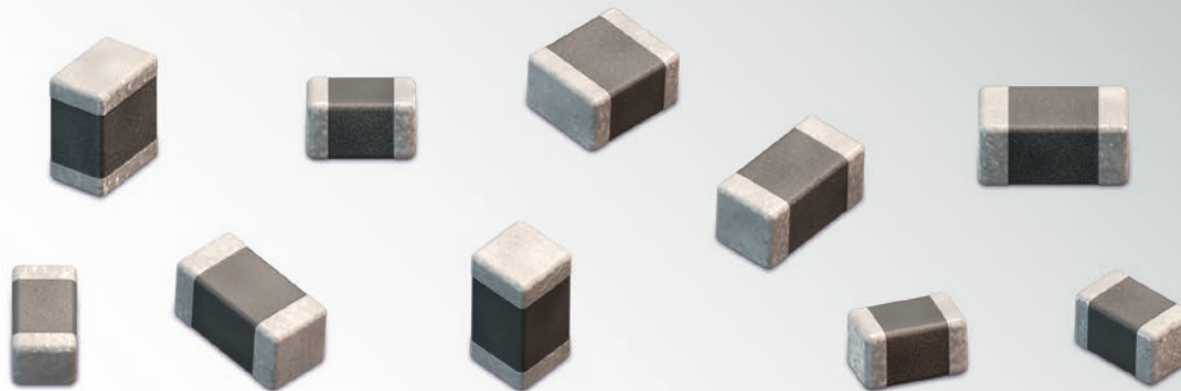


DESIGN KIT

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	885 012 006 040 25V	885 012 006 048 50V	885 012 006 056 50V	885 012 206 027 10V	885 012 206 072 25V	885 012 206 080 50V	885 012 206 088 50V	885 012 106 006 6.3V	Dielectric NPO X7R X5R	Operating Temperature -55°C to +125°C -55°C to +125°C -55°C to +85°C	
NP00603222J010DFCT10000	NP00603221J025DFCT10000	NP006033R3D050DFCT10000	NP00603680J050DFCT10000	X7R0603225K010DFCT10000	X7R0603154K025DFCT10000	X7R0603331K050DFCT10000	X7R0603682K050DFCT10000	X5R0603106M6R3DFCT10000			
2,200pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	220pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	3.3pF, ±0.5pF, H=0.8mm Q≥400+20C, IR≥10G Ohm	68pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	2.2μF, ±10%, H=0.8mm DF≤3.5%, IR≥0.05G Ohm	150,000pF, ±10%, H=0.8mm DF≤3.5%, IR≥3.3G Ohm	330pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	6,800pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	10μF, ±20%, H=0.8mm DF≤15%, IR≥0.01G Ohm			
885 012 006 016 10V	885 012 006 041 25V	885 012 006 049 50V	885 012 006 057 50V	885 012 206 065 25V	885 012 206 073 25V	885 012 206 081 50V	885 012 206 089 50V	885 012 106 007 10V	Dielectric NPO X7R X5R	Capacitance Characteristics* ± 30ppm/°C; ± 0.54%/°C ± 15% ± 15%	
NP00603332J010DFCT10000	NP00603331J025DFCT10000	NP006034R7D050DFCT10000	NP00603101J050DFCT10000	X7R0603103K025DFCT10000	X7R0603224K025DFCT10000	X7R0603471K050DFCT10000	X7R0603103K050DFCT10000	X5R0603334M010DFCT10000			
3,300pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	330pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	4.7pF, ±0.5pF, H=0.8mm Q≥400+20C, IR≥10G Ohm	100pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	10,000pF, ±10%, H=0.8mm DF≤3.5%, IR≥10G Ohm	220,000pF, ±10%, H=0.8mm DF≤3.5%, IR≥2.3G Ohm	470pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	10,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	330,000pF, ±20%, H=0.8mm DF≤10%, IR≥1.5G Ohm			
885 012 006 034 25V	885 012 006 042 25V	885 012 006 050 50V	885 012 006 058 50V	885 012 206 066 25V	885 012 206 074 25V	885 012 206 082 50V	885 012 206 090 50V	885 012 106 012 10V	Dielectric NPO X7R X5R	Capacitance Characteristics* ± 30ppm/°C; ± 0.54%/°C ± 15% ± 15%	
NP00603220J025DFCT10000	NP00603471J025DFCT10000	NP006036R8D050DFCT10000	NP00603151J050DFCT10000	X7R0603153K025DFCT10000	X7R0603334K025DFCT10000	X7R0603681K050DFCT10000	X7R0603153K050DFCT10000	X5R0603475M010DFCT10000			
22pF, ±5%, H=0.8mm Q≥400+20C, IR≥10G Ohm	470pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	6.8pF, ±0.5pF, H=0.8mm Q≥400+20C, IR≥10G Ohm	150pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	15,000pF, ±10%, H=0.8mm DF≤3.5%, IR≥10G Ohm	330,000pF, ±10%, H=0.8mm DF≤7%, IR≥1.5G Ohm	680pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	15,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	4.7μF, ±20%, H=0.8mm DF≤10%, IR≥0.02G Ohm			
885 012 006 035 25V	885 012 006 043 25V	885 012 006 051 50V	885 012 006 059 50V	885 012 206 067 25V	885 012 206 075 25V	885 012 206 083 50V	885 012 206 091 50V	885 012 106 018 16V	Dielectric NPO X7R X5R	Capacitance Characteristics* ± 30ppm/°C; ± 0.54%/°C ± 15% ± 15%	
NP00603330J025DFCT10000	NP00603681J025DFCT10000	NP00603100J050DFCT10000	NP00603221J050DFCT10000	X7R0603223K025DFCT10000	X7R0603474K025DFCT10000	X7R0603102K050DFCT10000	X7R0603223K050DFCT10000	X5R0603225M016DFCT10000			
33pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	680pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	10pF, ±5%, H=0.8mm Q≥400+20C, IR≥10G Ohm	220pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	22,000pF, ±10%, H=0.8mm DF≤3.5%, IR≥10G Ohm	470,000pF, ±10%, H=0.8mm DF≤10%, IR≥1.1G Ohm	1,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	22,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	2.2μF, ±20%, H=0.8mm DF≤10%, IR≥0.05G Ohm			
885 012 006 036 25V	885 012 006 044 25V	885 012 006 052 50V	885 012 006 060 50V	885 012 206 068 25V	885 012 206 076 25V	885 012 206 084 50V	885 012 206 092 50V	885 012 106 019 25V	Dielectric NPO X7R X5R	Capacitance Characteristics* ± 30ppm/°C; ± 0.54%/°C ± 15% ± 15%	
NP00603470J025DFCT10000	NP00603102J025DFCT10000	NP00603150J050DFCT10000	NP00603331J050DFCT10000	X7R0603333K025DFCT10000	X7R0603105K025DFCT10000	X7R0603152K050DFCT10000	X7R0603333K050DFCT10000	X5R0603224M025DFCT10000			
47pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	1,000pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	15pF, ±5%, H=0.8mm Q≥400+20C, IR≥10G Ohm	330pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	33,000pF, ±10%, H=0.8mm DF≤3.5%, IR≥10G Ohm	1μF, ±10%, H=0.8mm DF≤10%, IR≥0.5G Ohm	1,500pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	33,000pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	220,000pF, ±20%, H=0.8mm DF≤3.5%, IR≥2.3G Ohm			
885 012 006 037 25V	885 012 006 045 50V	885 012 006 053 50V	885 012 006 061 50V	885 012 206 069 25V	885 012 206 077 50V	885 012 206 085 50V	885 012 206 093 50V	885 012 106 020 25V	Dielectric NPO X7R X5R	Capacitance Characteristics* ± 30ppm/°C; ± 0.54%/°C ± 15% ± 15%	
NP00603680J025DFCT10000	NP006031R0D050DFCT10000	NP00603220J050DFCT10000	NP00603471J050DFCT10000	X7R0603473K025DFCT10000	X7R0603101K050DFCT10000	X7R0603222K050DFCT10000	X7R0603473K050DFCT10000	X5R0603474M025DFCT10000			
68pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	1pF, ±0.5pF, H=0.8mm Q≥400+20C, IR≥10G Ohm	22pF, ±5%, H=0.8mm Q≥400+20C, IR≥10G Ohm	470pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	47,000pF, ±10%, H=0.8mm DF≤3.5%, IR≥10G Ohm	100pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	2,200pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	47,000pF, ±10%, H=0.8mm DF≤3%, IR≥10G Ohm	470,000pF, ±20%, H=0.8mm DF≤10%, IR≥1.1G Ohm			
885 012 006 038 25V	885 012 006 046 50V	885 012 006 054 50V	885 012 006 062 50V	885 012 206 070 25V	885 012 206 078 50V	885 012 206 086 50V	885 012 206 094 50V	885 012 106 021 25V	Dielectric NPO X7R X5R	Capacitance Characteristics* ± 30ppm/°C; ± 0.54%/°C ± 15% ± 15%	
NP00603101J025DFCT10000	NP006031R5D050DFCT10000	NP00603330J050DFCT10000	NP00603681J050DFCT10000	X7R0603683K025DFCT10000	X7R0603151K050DFCT10000	X7R0603332K050DFCT10000	X7R0603683K050DFCT10000	X5R0603684M025DFCT10000			
100pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	1.5pF, ±0.5pF, H=0.8mm Q≥400+20C, IR≥10G Ohm	33pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	680pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	68,000pF, ±10%, H=0.8mm DF≤3.5%, IR≥7.4G Ohm	150pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	3,300pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	68,000pF, ±10%, H=0.8mm DF≤3%, IR≥7.4G Ohm	680,000pF, ±20%, H=0.8mm DF≤10%, IR≥0.7G Ohm			
885 012 006 039 25V	885 012 006 047 50V	885 012 006 055 50V	885 012 006 063 50V	885 012 206 071 25V	885 012 206 079 50V	885 012 206 087 50V	885 012 206 095 50V	885 012 106 022 25V	Dielectric NPO X7R X5R	Capacitance Characteristics* ± 30ppm/°C; ± 0.54%/°C ± 15% ± 15%	
NP00603151J025DFCT10000	NP006032R2D050DFCT10000	NP00603470J050DFCT10000	NP00603102J050DFCT10000	X7R0603104K025DFCT10000	X7R0603221K050DFCT10000	X7R0603472K050DFCT10000	X7R0603104K050DFCT10000	X5R0603105M025DFCT10000			
150pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	2.2pF, ±0.5pF, H=0.8mm Q≥400+20C, IR≥10G Ohm	47pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	1,000pF, ±5%, H=0.8mm Q≥1000, IR≥10G Ohm	100,000pF, ±10%, H=0.8mm DF≤3.5%, IR≥5G Ohm	220pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	4,700pF, ±10%, H=0.8mm DF≤2.5%, IR≥10G Ohm	100,000pF, ±10%, H=0.8mm DF≤3%, IR≥5G Ohm	1μF, ±20%, H=0.8mm DF≤10%, IR≥0.5G Ohm			



COMPLIANT
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