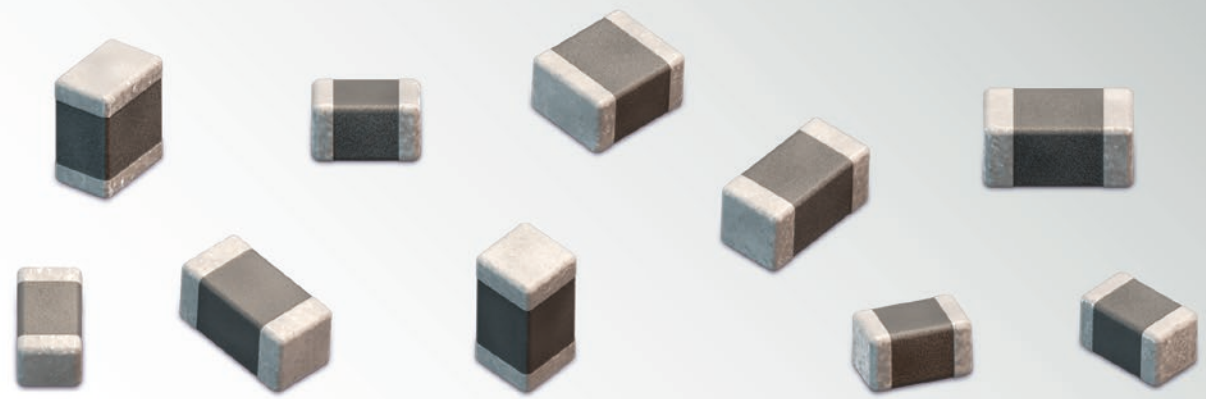




DESIGN KIT

WCAP-CSGP Multilayer Ceramic Chip Capacitors 100 V_{DC}



SIZE:

0603 / 0805 / 1206

TECHNICAL DATA:

Capacitance Range: 1 pF – 150 nF
Rated Voltages: 100 V_{DC}
Dielectrics: NPO, X7R
Termination: Cu / Ni / Sn

Order Code 885 090

Version 1.0

DESIGN KIT

WCAP-CSGP Multilayer Ceramic Chip Capacitors 100 V_{DC}

0603				0805				1206	Dielectric		Operating Temperature	
NPO		X7R		NPO		X7R		X7R	NPO	X7R	-55°C to +125°C	
885012006087 NP006031ROC100DFCT10000 1 pF ±0.25 pF, H=0.8 mm Q ≥ 400+20C, IR ≥ 10 GΩ	885012006077 NP00603470J100DFCT10000 47 pF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012206102 X7R0603101K100DFCT10000 100 pF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012206112 X7R0603472K100DFCT10000 4.7 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012007094 NP008051ROC100DFCT10000 1 pF ±0.25 pF, H=0.6 mm Q ≥ 400+20C, IR ≥ 10 GΩ	885012007083 NP00805151J100DFCT10000 150 pF ±5 %, H=0.6 mm Q ≥ 1000, IR ≥ 10 GΩ	885012207110 X7R0805101K100DFCT10000 100 pF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012207120 X7R0805472K100DFCT10000 4.7 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012208106 X7R1206102K100DFCT10000 1 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ				
885012006089 NP006032R2C100DFCT10000 2.2 pF ±0.25 pF, H=0.8 mm Q ≥ 400+20C, IR ≥ 10 GΩ	885012006078 NP00603680J100DFCT10000 68 pF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012206103 X7R0603151K100DFCT10000 150 pF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012206113 X7R0603682K100DFCT10000 6.8 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012007095 NP008053R3C100DFCT10000 1 pF ±0.25 pF, H=0.6 mm Q ≥ 400+20C, IR ≥ 10 GΩ	885012007085 NP00805331J100DFCT10000 330 pF ±5 %, H=0.6 mm Q ≥ 1000, IR ≥ 10 GΩ	885012207111 X7R0805151K100DFCT10000 150 pF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012207121 X7R0805682K100DFCT10000 6.8 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012208112 X7R1206103K100DFCT10000 10 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ			±30 ppm / ±0,54 %	
885012006090 NP006033R3C100DFCT10000 3.3 pF ±0.25 pF, H=0.8 mm Q ≥ 400+20C, IR ≥ 10 GΩ	885012006079 NP00603101J100DFCT10000 100 pF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012206105 X7R0603331K100DFCT10000 330 pF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012206114 X7R0603103K100DFCT10000 10 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012007096 NP008054R7C100DFCT10000 4.7 pF ±0.25 pF, H=0.6 mm Q ≥ 400+20C, IR ≥ 10 GΩ	885012007086 NP00805471J100DFCT10000 470 pF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012207113 X7R0805331K100DFCT10000 330 pF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012207122 X7R0805103K100DFCT10000 10 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012208113 X7R1206153K100DFCT10000 15 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 6.7 GΩ			±15 %	
885012006091 NP006034R7C100DFCT10000 4.7 pF ±0.25 pF, H=0.8 mm Q ≥ 400+20C, IR ≥ 10 GΩ	885012006080 NP00603151J100DFCT10000 150 pF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012206106 X7R0603471K100DFCT10000 470 pF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012206118 X7R0603473K100DFCT10000 47 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012007076 NP00805100J100DFCT10000 10 pF ±5 %, H=0.6 mm Q ≥ 400+20C, IR ≥ 10 GΩ	885012007087 NP00805681J100DFCT10000 680 pF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012207114 X7R0805471K100DFCT10000 470 pF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012207123 X7R0805153K100DFCT10000 15 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 6.7 GΩ	885012208115 X7R1206333K100DFCT10000 33 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ				
885012006092 NP006035R6D100DFCT10000 5.6 pF ±0.5 pF, H=0.8 mm Q ≥ 400+20C, IR ≥ 10 GΩ	885012006082 NP00603331J100DFCT10000 330 pF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012206107 X7R0603681K100DFCT10000 680 pF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012206120 X7R0603104K100DFCT10000 100 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 1 GΩ	885012007079 NP00805330J100DFCT10000 33 pF ±5 %, H=0.6 mm Q ≥ 1000, IR ≥ 10 GΩ	885012007088 NP00805102J100DFCT10000 1 nF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012207115 X7R0805681K100DFCT10000 680 pF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012207125 X7R0805333K100DFCT10000 33 nF ±10 %, H=1.25 mm DF ≤ 2.5 %, IR ≥ 3 GΩ	885012208116 X7R1206473K100DFCT10000 47 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 2.1 GΩ				
885012006093 NP006038R2D100DFCT10000 8.2 pF ±0.5 pF, H=0.8 mm Q ≥ 400+20C, IR ≥ 10 GΩ	885012006083 NP00603471J100DFCT10000 470 pF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012206108 X7R0603102K100DFCT10000 1 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ		885012007080 NP00805470J100DFCT10000 47 pF ±5 %, H=0.6 mm Q ≥ 1000, IR ≥ 10 GΩ	885012007089 NP00805152J100DFCT10000 1.5 nF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012207116 X7R0805102K100DFCT10000 1 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012207126 X7R0805473K100DFCT10000 47 nF ±10 %, H=1.25 mm DF ≤ 2.5 %, IR ≥ 2.1 GΩ	885012208117 X7R1206683K100DFCT10000 68 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 1.5 GΩ				
885012006073 NP00603100J100DFCT10000 10 pF ±5 %, H=0.8 mm Q ≥ 400+20C, IR ≥ 10 GΩ	885012006084 NP00603681J100DFCT10000 680 pF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012206109 X7R0603152K100DFCT10000 1.5 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ		885012007081 NP00805680J100DFCT10000 68 pF ±5 %, H=0.6 mm Q ≥ 1000, IR ≥ 10 GΩ	885012007091 NP00805332J100DFCT10000 3.3 nF ±5 %, H=1.25 mm Q ≥ 1000, IR ≥ 10 GΩ	885012207117 X7R0805152K100DFCT10000 1.5 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012207127 X7R0805683K100DFCT10000 68 nF ±10 %, H=1.25 mm DF ≤ 2.5 %, IR ≥ 1.5 GΩ	885012208118 X7R1206104K100DFCT10000 100 nF ±10 %, H=1.25 mm DF ≤ 2.5 %, IR ≥ 1 GΩ				
885012006076 NP00603330J100DFCT10000 33 pF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012006085 NP00603102J100DFCT10000 1 nF ±5 %, H=0.8 mm Q ≥ 1000, IR ≥ 10 GΩ	885012206111 X7R0603332K100DFCT10000 3.3 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ		885012007082 NP00805101J100DFCT10000 100 pF ±5 %, H=0.6 mm Q ≥ 1000, IR ≥ 10 GΩ	885012007092 NP00805472J100DFCT10000 4.7 nF ±5 %, H=1.25 mm Q ≥ 1000, IR ≥ 10 GΩ	885012207119 X7R0805332K100DFCT10000 3.3 nF ±10 %, H=0.8 mm DF ≤ 2.5 %, IR ≥ 10 GΩ	885012207128 X7R0805104K100DFCT10000 100 nF ±10 %, H=1.25 mm DF ≤ 2.5 %, IR ≥ 1 GΩ	885012208119 X7R1206154K100DFCT10000 150 nF ±10 %, H=1.6 mm DF ≤ 2.5 %, IR ≥ 0.7 GΩ				

Dielectric	Capacitance Characteristics*
NPO	±30 ppm / ±0,54 %
X7R	±15 %

*max. permissible capacitance change within specified temperature range



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