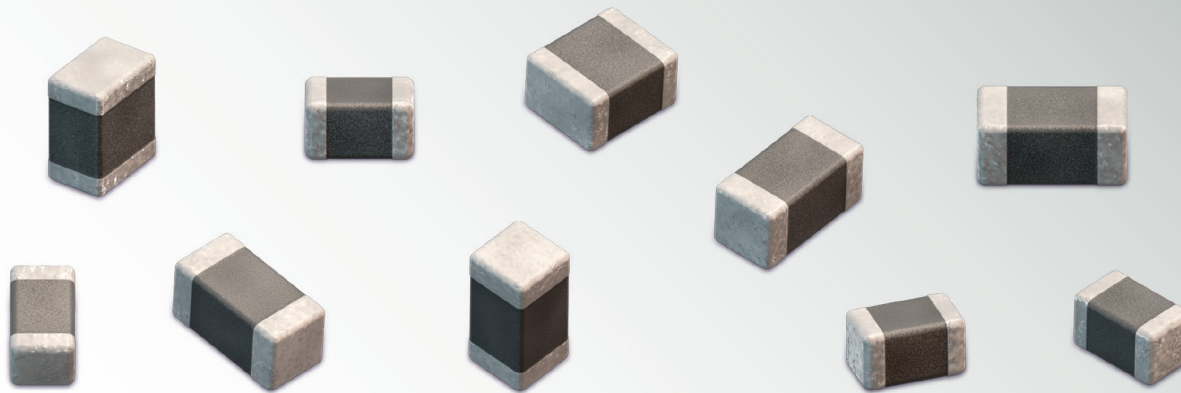


DESIGN KIT

WCAP-CSGP Multilayer Ceramic Chip Capacitors 0603



SIZE:

0603

TECHNICAL DATA:

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

Order Code 885 060

Version 1.0

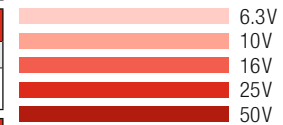
WCAP-CSGP Multilayer Ceramic Chip Capacitors 0603

NPO				X7R				X5R									
885 012 006 015 10V NP00603322J010DFCT10000 2,200pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 006 040 25V NP00603321J025DFCT10000 220pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 006 048 50V NP006033R30D05DFCT10000 3.3pF, ±0.5pF, H=0.8mm Q _z ≥400+20C, IR _z ≥10G Ohm	885 012 006 056 50V NP006033680J050DFCT10000 68pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 027 10V X7R0603225K010DFCT10000 2.2μF, ±10%, H=0.8mm DF _s ≤10%, IR _z 0.05G Ohm	885 012 206 072 25V X7R0603154K025DFCT10000 150,000pF, ±10%, H=0.8mm DF _s ≤3.5%, IR _z 3.3G Ohm	885 012 206 080 50V X7R0603331K050DFCT10000 330pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 206 088 50V X7R0603682K050DFCT10000 6,800pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 106 006 6.3V X5R0603106M6R3DFCT10000 10μF, ±20%, H=0.8mm DF _s ≤15%, IR _z 0.01G Ohm	885 012 206 016 10V NP00603322J010DFCT10000 3,300pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 041 25V NP00603331J025DFCT10000 330pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 049 50V NP006034R7D050DFCT10000 4.7pF, ±0.5pF, H=0.8mm Q _z ≥400+20C, IR _z ≥10G Ohm	885 012 206 057 50V NP00603101J050DFCT10000 100pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 065 25V X7R0603103K025DFCT10000 10,000pF, ±10%, H=0.8mm DF _s ≤3.5%, IR _z ≥10G Ohm	885 012 206 073 25V X7R0603224K025DFCT10000 220,000pF, ±10%, H=0.8mm DF _s ≤3.5%, IR _z 2.3G Ohm	885 012 206 081 50V X7R0603471K050DFCT10000 470pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 206 089 50V X7R0603103K050DFCT10000 10,000pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z ≥10G Ohm	885 012 106 007 10V X5R0603334M010DFCT10000 330,000pF, ±20%, H=0.8mm DF _s ≤10%, IR _z 1.5G Ohm
885 012 006 034 25V NP00603220J025DFCT10000 22pF, ±5%, H=0.8mm Q _z ≥400+20C, IR _z ≥10G Ohm	885 012 006 042 25V NP00603471J025DFCT10000 470pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 006 050 50V NP006036R8D050DFCT10000 6.8pF, ±0.5pF, H=0.8mm Q _z ≥400+20C, IR _z ≥10G Ohm	885 012 006 058 50V NP00603151J050DFCT10000 150pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 066 25V X7R0603153K025DFCT10000 15,000pF, ±10%, H=0.8mm DF _s ≤3.5%, IR _z ≥10G Ohm	885 012 206 074 25V X7R0603334K025DFCT10000 330,000pF, ±10%, H=0.8mm DF _s ≤3.5%, IR _z 1.5G Ohm	885 012 206 082 50V X7R0603681K050DFCT10000 680pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 206 090 50V X7R0603153K050DFCT10000 15,000pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z ≥10G Ohm	885 012 106 012 10V X5R0603475M010DFCT10000 4.7μF, ±20%, H=0.8mm DF _s ≤10%, IR _z 0.02G Ohm	885 012 206 035 25V NP00603330J025DFCT10000 33pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 043 25V NP00603681J025DFCT10000 680pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 051 50V NP00603100J050DFCT10000 10pF, ±5%, H=0.8mm Q _z ≥400+20C, IR _z ≥10G Ohm	885 012 206 059 50V NP00603221J050DFCT10000 220pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 067 25V X7R0603223K025DFCT10000 22,000pF, ±10%, H=0.8mm DF _s ≤3.5%, IR _z ≥10G Ohm	885 012 206 075 25V X7R0603474K025DFCT10000 470,000pF, ±10%, H=0.8mm DF _s ≤10%, IR _z 1.1G Ohm	885 012 206 083 50V X7R0603102K050DFCT10000 1,000pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 206 091 50V X7R0603223K050DFCT10000 22,000pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z ≥10G Ohm	885 012 106 018 16V X5R0603225M016DFCT10000 2.2μF, ±20%, H=0.8mm DF _s ≤10%, IR _z 0.05G Ohm
885 012 006 036 25V NP00603470J025DFCT10000 47pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 006 044 25V NP00603102J025DFCT10000 1,000pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 006 052 50V NP00603150J050DFCT10000 15pF, ±5%, H=0.8mm Q _z ≥400+20C, IR _z ≥10G Ohm	885 012 006 060 50V NP00603331J050DFCT10000 330pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 068 25V X7R0603333K025DFCT10000 33,000pF, ±10%, H=0.8mm DF _s ≤3.5%, IR _z ≥10G Ohm	885 012 206 076 25V X7R0603105K025DFCT10000 1μF, ±10%, H=0.8mm DF _s ≤10%, IR _z 0.5G Ohm	885 012 206 084 50V X7R0603152K050DFCT10000 1,500pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 206 092 50V X7R0603333K050DFCT10000 33,000pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z ≥10G Ohm	885 012 106 019 25V X5R0603224M025DFCT10000 220,000pF, ±20%, H=0.8mm DF _s ≤3.5%, IR _z 2.3G Ohm	885 012 006 037 25V NP00603680J025DFCT10000 68pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 006 045 50V NP006031R0D050DFCT10000 1pF, ±0.5pF, H=0.8mm Q _z ≥400+20C, IR _z ≥10G Ohm	885 012 006 053 50V NP00603220J050DFCT10000 22pF, ±5%, H=0.8mm Q _z ≥400+20C, IR _z ≥10G Ohm	885 012 006 061 50V NP00603471J050DFCT10000 470pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 069 25V X7R0603473K025DFCT10000 47,000pF, ±10%, H=0.8mm DF _s ≤3.5%, IR _z 10G Ohm	885 012 206 077 50V X7R0603101K050DFCT10000 100pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 206 085 50V X7R0603222K050DFCT10000 2,200pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 206 093 50V X7R0603473K050DFCT10000 47,000pF, ±10%, H=0.8mm DF _s ≤3%, IR _z 10G Ohm	885 012 106 020 25V X5R0603474M025DFCT10000 470,000pF, ±20%, H=0.8mm DF _s ≤10%, IR _z 1.1G Ohm
885 012 006 038 25V NP00603101J025DFCT10000 100pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 006 046 50V NP006031R5D050DFCT10000 1.5pF, ±0.5pF, H=0.8mm Q _z ≥400+20C, IR _z ≥10G Ohm	885 012 006 054 50V NP00603330J050DFCT10000 33pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 006 062 50V NP00603681J050DFCT10000 680pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 070 25V X7R0603683K025DFCT10000 68,000pF, ±10%, H=0.8mm DF _s ≤3.5%, IR _z 7.4G Ohm	885 012 206 078 50V X7R0603151K050DFCT10000 150pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 206 086 50V X7R0603332K050DFCT10000 3,300pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 206 094 50V X7R0603683K050DFCT10000 68,000pF, ±10%, H=0.8mm DF _s ≤3%, IR _z 7.4G Ohm	885 012 106 021 25V X5R0603684M025DFCT10000 680,000pF, ±20%, H=0.8mm DF _s ≤10%, IR _z 0.7G Ohm	885 012 006 039 25V NP00603151J025DFCT10000 150pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 006 047 50V NP006032R2D050DFCT10000 2.2pF, ±0.5pF, H=0.8mm Q _z ≥400+20C, IR _z ≥10G Ohm	885 012 006 055 50V NP00603470J050DFCT10000 47pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 006 063 50V NP00603102J050DFCT10000 1,000pF, ±5%, H=0.8mm Q _z ≥1000, IR _z ≥10G Ohm	885 012 206 071 25V X7R0603104K025DFCT10000 100,000pF, ±10%, H=0.8mm DF _s ≤3.5%, IR _z ≥5G Ohm	885 012 206 079 50V X7R0603221K050DFCT10000 220pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 206 087 50V X7R0603472K050DFCT10000 4,700pF, ±10%, H=0.8mm DF _s ≤2.5%, IR _z 10G Ohm	885 012 206 095 50V X7R0603104K050DFCT10000 100,000pF, ±10%, H=0.8mm DF _s ≤3%, IR _z ≥5G Ohm	885 012 106 022 25V X5R0603105M025DFCT10000 1μF, ±20%, H=0.8mm DF _s ≤10%, IR _z 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



EMC COMPONENTS | INDUCTORS | TRANSFORMERS | RF COMPONENTS | CIRCUIT PROTECTION | EMC SHIELDING MATERIAL | CAPACITORS | CONNECTORS | SWITCHES | ASSEMBLY TECHNIQUE | POWER ELEMENTS

Important information: Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release.

Please check datasheets on www.we-online.com for specifications. Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2015

All products
ex stock!

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Capacitor Kits](#) category:

Click to view products by [Wurth](#) manufacturer:

Other Similar products are found below :

[1320838-1](#) [DK0035T](#) [KITMS11111](#) [DK0033T](#) [TS0002](#) [ALU ENG KIT 07](#) [GRM03-KIT-CLASS2-DE](#) [MKV250V-KIT-1-DE](#) [MKV250V-KIT-2-DE](#) [744114](#) [GCJ-KIT-X7-DE-A](#) [GJM022-KIT-TTOL-DE](#) [GRM02-KIT-DE](#) [ACCU-P0402KITL1](#) [KITTYPE2100 LF](#) [KITMS08051](#) [AY21-KIT-HF](#) [KIT3000UZ](#) [PPR ENG KIT 04](#) [ALU ENG KIT 02](#) [TAN ENG KIT 34](#) [CER ENG KIT 36](#) [ALU ENG KIT 01](#) [VY2-KIT-MS](#) [TS0003](#) [ACCU-P0201KITL2](#) [FPCAP-SMD-KIT](#) [DK0009](#) [885070](#) [ALU ENG KIT 03](#) [ALU ENG KIT 05](#) [ALU ENG KIT 06](#) [DK0008T](#) [DK0015](#) [DK0036T](#) [DK0037T](#) [DK0081T](#) [DK0084T](#) [DK0060T](#) [ESRD-KIT9](#) [MCF1000VKIT6](#) [MICA-KIT1](#) [MIN300VKIT1](#) [HOTC-KIT-KH](#) [S-0402](#) [S-0603](#) [S-0805](#) [S111DVE](#) [S111TVE](#) [S-1KV](#)