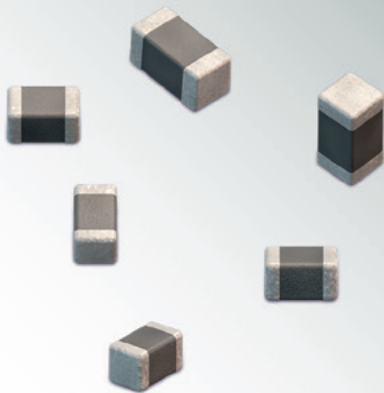




DESIGN KIT

WCAP-CSMH

Mid and High Voltage MLCC



SIZE:

0603 / 0805 / 1206 / 1210 / 1812

TECHNICAL DATA:

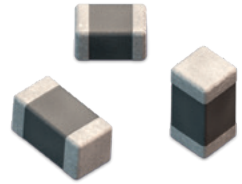
Capacitance Range: 10 pF – 470 nF
Rated Voltage: 200 V_{DC} – 630 V_{DC}
Dielectrics: NPO / X7R
Termination: Cu / Ni / Sn

Order Code 885 341
Version 1.1

DESIGN KIT

WCAP-CSMH

Mid and High Voltage MLCC



0603	0805	0805	1206	1206	1812
885 342 006 001 250 V_{DC} 10pF; ±5%; H=0.8mm; Q≥400+20C; IR≥10 GΩ	885 342 007 003 200 V_{DC} 1 nF; ±5%; H=1.25 mm; Q≥1000; IR≥10 GΩ	885 342 207 012 500 V_{DC} 470 pF; ±10%; H=0.8 mm; DF≤2.5%; IR≥10 GΩ	885 342 208 005 500 V_{DC} 470 pF; ±10%; H=1.25 mm; DF≤2.5%; IR≥10 GΩ	885 342 208 013 630 V_{DC} 15 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥6.67 GΩ	885 342 211 001 200 V_{DC} 4.7 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥10 GΩ
885 342 006 003 250 V_{DC} 100 pF; ±5%; H=0.8 mm; Q≥1000; IR≥10 GΩ	885 342 007 005 250 V_{DC} 2.2 nF; ±5%; H=1.25 mm; Q≥1000; IR≥10 GΩ	885 342 207 013 500 V_{DC} 1 nF; ±10%; H=0.8 mm; DF≤2.5%; IR≥10 GΩ	885 342 208 007 500 V_{DC} 2.2 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥10 GΩ	885 342 208 014 630 V_{DC} 22 nF; ±10%; H=1.6 mm; DF≤2.5%; IR≥4.55 GΩ	885 342 211 002 200 V_{DC} 100 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥1 GΩ
885 342 006 005 250 V_{DC} 470 pF; ±5%; H=0.8 mm; Q≥1000; IR≥10 GΩ	885 342 007 006 500 V_{DC} 47 pF; ±5%; H=0.6 mm; Q≥1000; IR≥10 GΩ	885 342 207 014 500 V_{DC} 10 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥10 GΩ	885 342 208 008 500 V_{DC} 4.7 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥10 GΩ	885 342 208 015 630 V_{DC} 33 nF; ±10%; H=1.6 mm; DF≤2.5%; IR≥3.03 GΩ	885 342 211 003 250 V_{DC} 470 nF; ±10%; H=2 mm; DF≤2.5%; IR≥0.21 GΩ
885 342 206 001 250 V_{DC} 100 pF; ±10%; H=0.8 mm; DF≤2.5%; IR≥10 GΩ	885 342 207 009 250 V_{DC} 4.7 nF; ±10%; H=0.8 mm; DF≤2.5%; IR≥10 GΩ	1206 885 342 008 001 500 V_{DC} 47 pF; ±5%; H=0.8 mm Q≥1000; IR≥10 GΩ	885 342 208 009 500 V_{DC} 10 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥10 GΩ	1210 885 342 209 003 250 V_{DC} 220 nF; ±10%; H=2.5 mm DF≤2.5%; IR≥0.46 GΩ	885 342 211 004 500 V_{DC} 10 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥10 GΩ
885 342 206 003 250 V_{DC} 1 nF; ±10%; H=0.8 mm; DF≤2.5%; IR≥10 GΩ	885 342 207 010 250 V_{DC} 10 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥10 GΩ	885 342 008 004 630 V_{DC} 100 pF; ±5%; H=0.8 mm; Q≥1000; IR≥10 GΩ	885 342 208 011 630 V_{DC} 1 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥10 GΩ	885 342 209 004 630 V_{DC} 33 nF; ±10%; H=1.6 mm; DF≤2.5%; IR≥3.03 GΩ	885 342 211 005 500 V_{DC} 100 nF; ±10%; H=2 mm; DF≤2.5%; IR=1 GΩ
885 342 206 006 250 V_{DC} 10 nF; ±10%; H=0.8 mm; DF≤2.5%; IR≥10 GΩ	885 342 207 011 250 V_{DC} 22 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥4.55 GΩ	885 342 008 007 630 V_{DC} 2.2 nF; ±5%; H=1.6 mm; Q≥1000; IR≥10 GΩ	885 342 208 012 630 V_{DC} 10 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥10 GΩ	885 342 209 005 630 V_{DC} 68 nF; ±10%; H=2 mm; DF≤2.5%; IR=1.47 GΩ	885 342 211 006 630 V_{DC} 100 nF; ±10%; H=1.25 mm; DF≤2.5%; IR≥1 GΩ

Ceramic	Capacitance Characteristics*
NPO	±30 ppm / ±0.54 %
X7R	±15 %

* within Operating Temperature Range

Technical Data:

Operating Temperature: -55 °C to +125 °C

Termination: Cu / Ni / Sn

H = Thickness



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.

**All products
ex stock!**

Please check datasheets on www.we-online.com for specifications. Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2018