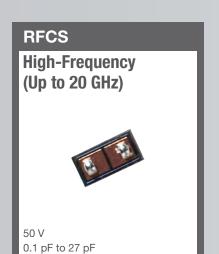


The Art of Capacitors





CDR (MIL-PRF-55681)



MIL-PRF-123

DC-Link

1 μF to 400 μF

MKP1839

Capacitor

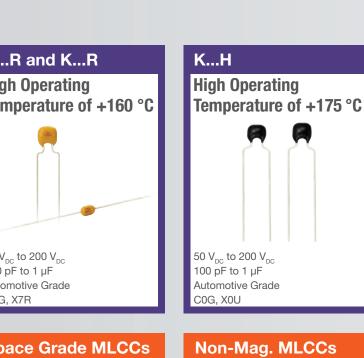
160 V_{DC} to 630 V_{DC}

47 pF up to 22 μF

ow building height applications

Precision Axial

AEC-Q200 qualified DC-Link



Screened for Non-

0 pF to 6.8 μF

Reflow and conductive epoxy

Snubber for Direct

IGBT Mount

700 V_{DC} to 2500 V_D

Multiple terminal configurations

Useful Life Up to 2500 h

0.047 μF to 10 μF

142 RHS

0402 to 3640

Magnetic Properties





AEC-Q200 Qualified

RoHS Compliant: VJ...31X

0402 to 1812, 1 pF to 1 μF

Matte tin, polymer, and AgPd

Green: GA...34G



Surface Arc-Over

250 V to 2500 V

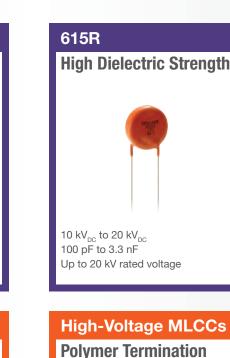
10 pF to 270 nF

General Purpose:

Industrial Grade

Polymer Capacitors

0805 to 2225



200 V to 5000 V

10 pF to 1.8 μF

Open mode design

epoxy assembly

4 V_{DC} to 25 V_{DC}

10 μF to 330 μF

F339X1 480

RFI Across the Line X1

Small size

Parts for reflow and conductive

MicroTan: Compact

Polymer Capacitors



1000 V to 1500 V

High Energy: Maximum

age Polymer Capacitors

Capacitance and Volt-

High-capacitance, high-voltage

RFI Across the Line X2

4.7 nF to 560 nF

1812 to 4044

10 μF to 470 μF

0.01 μF to 2.2 μF

at 150 °C

Designed for series impedance

160 CLA / 260 CLA-V

Useful Life Up to 2000 h



Low Electrostrictive

Ceramic

1000 V to 1500 V

Integrated 500 MΩ resistor

High-Energy Wet

1100 μF to 72 000 μF

RFI Across the Line X2

Series impedance: 85 °C, 85 % RI

Useful Life Up to

10 000 h at 105 °C

Highest CV design

10 nF to 2.2 μF

Tantalum Capacitor

33 nF to 560 nF



COG (NPO), X5R, X7R,

6.3 V to 100 V

0.5 pF to 100 μF

Wet Tantalum

25 V_{DC} to 125 V_{DC}

10 μF to 1800 μF

0.01 μF to 2.2 μF

118 AHT

Useful Life Up to

8000 h at 125 °C

Low building height applications

High shock and vibration capable

Enhanced Performance

0402 to 1210

Levels

COG (NPO), X5R, and

6.3 V to 50 V and 16 V, 50 V

capacitors in 0612 size

Extended Capacitance

0.5 pF to 220 nF and

Wet Tantalum

10 μF to 10 000 μF

0.001 μF to 4.7 μF

 $47~\mu F$ to $6800~\mu F$

High ripple current, low Z

Useful Life Up to 8000 h

DLA drawings 93026 and 10004

10 pF to 100 nF

X7R Dielectrics



High-Reliability, Weibull

RFI Across the Line Y2

AEC-Q200

0.001 μF to 0.47 μF

096 PLL-4TSI

390 μF to 2700 μF

Useful life ≥ 5000 h at 85 °C

Automotive Grade Y2 safety

4-Terminal Snap-In

Grading Options











0.1 μF to 470 μF

2 μF to 100 μF

Precision Film,

Foil Capacitor

63 V_{DC} to 630 V_{DC}

Building heights of 12 mm, 15 mm, 18 mm, 24 mm

Improved reliability: 0.50 %,

1000 h, 85 °C, rated voltage

Low Building Height



















230 $V_{\rm AC}$ to 440 $V_{\rm AC}$

Safe AC filtering for UPS systems

146 RTI / 246 RTI-V

Useful Life Up to 6000 h

1 μF to 70 μF

at 125 °C

10 pF to 12 nF

IEC 60384-14





Frequency Capacitor

 $160 \, V_{DC}$ to $2500 \, V_{DC}$

0.00047 μF to 82 μF

160 RLA

at 150 °C

33 μF to 3300 μF

High RMS current capabilities

Useful life up to 2000 h



Military: High Reliability

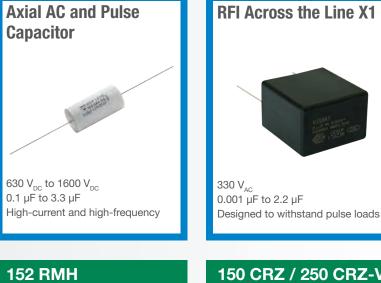
Polymer Capacitors

1.0 pF to 6.8 μF

0402 to 3640

at 105 °C

.5 μF to 220 μF



















0.0001 μF to 560 μF

157 PUM-SI

Useful Life of 5000 h

Tested





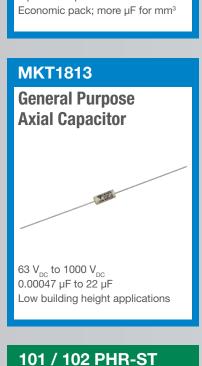
159 PUL-SI

56 μF to 1800 μF

Low ESR, high ripple current

Useful Life Up to

5000 h at 105 °C



















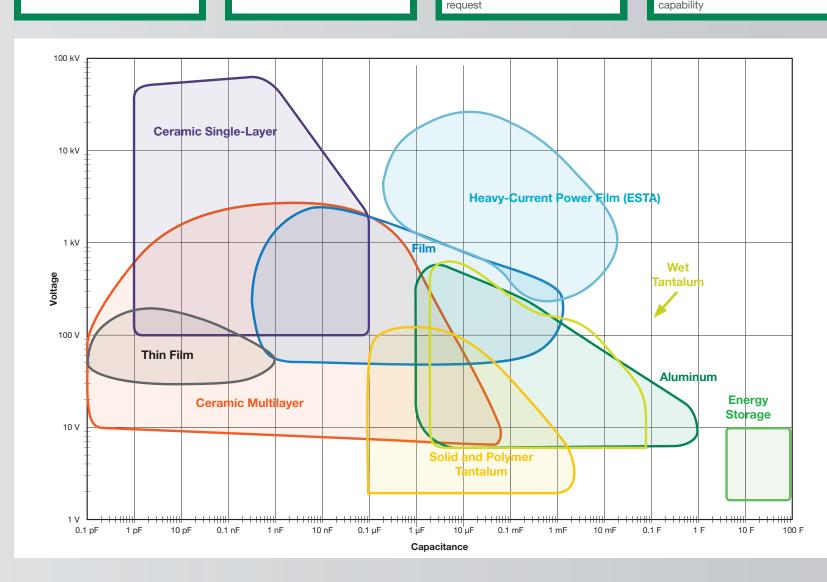
4.7 μF to 10 000 μF

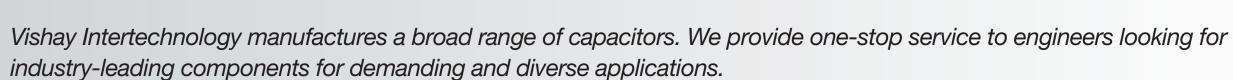
Very low Z, AEC-Q200 qualified



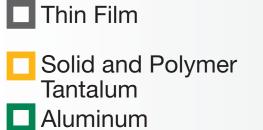














Ceramic Single-Layer

Ceramic Multilayer

