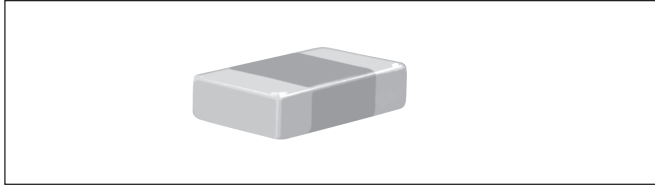


Multilayer Ceramic Chip Capacitors High Voltage



FEATURES

- High voltage ratings.
- Stable C0G dielectric.
- Ideal for snubber and surge suppression applications.

GENERAL SPECIFICATIONS

NOTE: Electrical characteristics @ + 25°C unless otherwise specified.

Capacitance Range: 1.0pF to 0.039µF.

Temperature Coefficient of Capacitance (TCC):
0 ± 30PPM/°C from - 55°C to + 125°C.

Dissipation Factor (DF):
0.1% maximum @ 1.0 Vrms and 1kHz for values > 1000pF.
0.1% maximum @ 1.0 Vrms and 1MHz for values ≤ 1000pF.

Insulation Resistance (IR):

@ + 25°C and rated voltage 100,000 Megohms minimum or 1000 ohm-farads, whichever is less.

@ + 125°C and rated voltage 10,000 Megohms minimum or 100 ohm-farads, whichever is less.

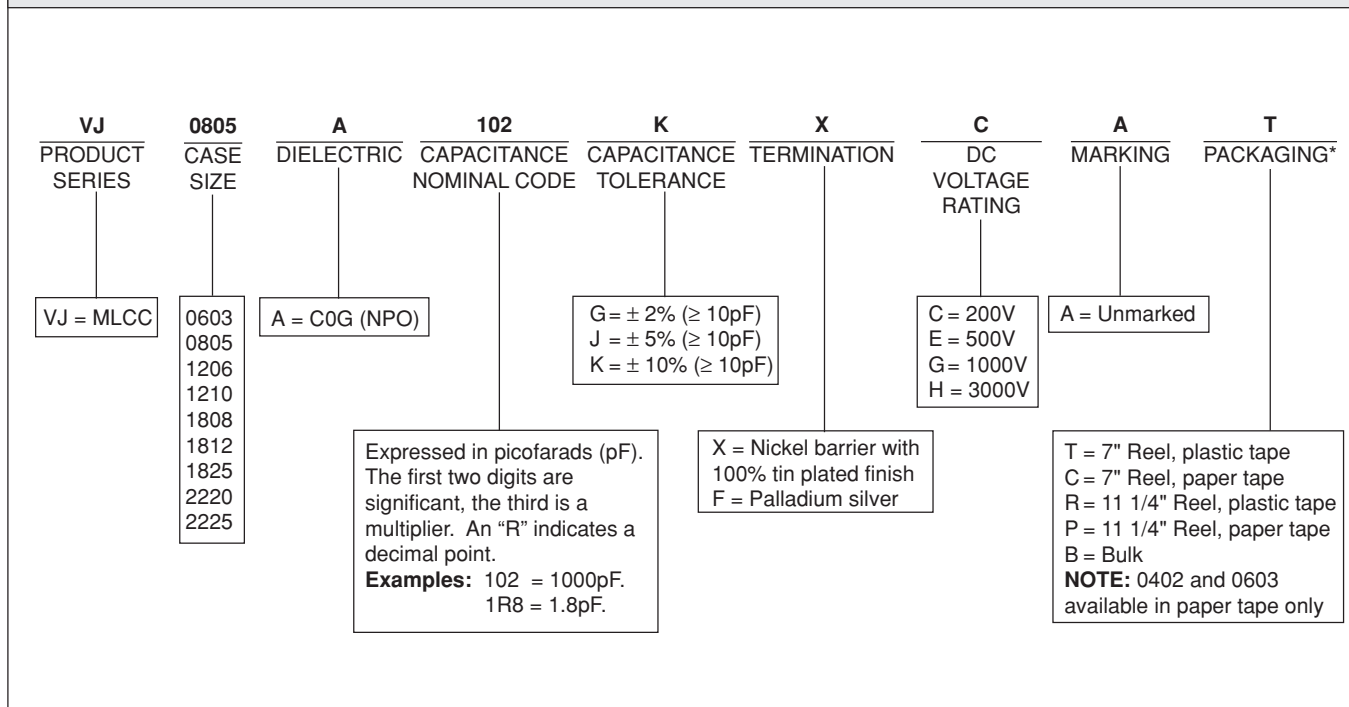
Dielectric Withstanding Voltage (DWV):

200V : 250% rated voltage for 5 ± 1 seconds, 50 milliamps current maximum.

500V: 200% rated voltage for 5 ± 1 seconds, 50 milliamps current maximum

1000V: 150% rayed voltage for 5 ± 1 seconds, 50 milliamps current maximum

ORDERING INFORMATION



*See page 57 for cassette case packaged capacitors.

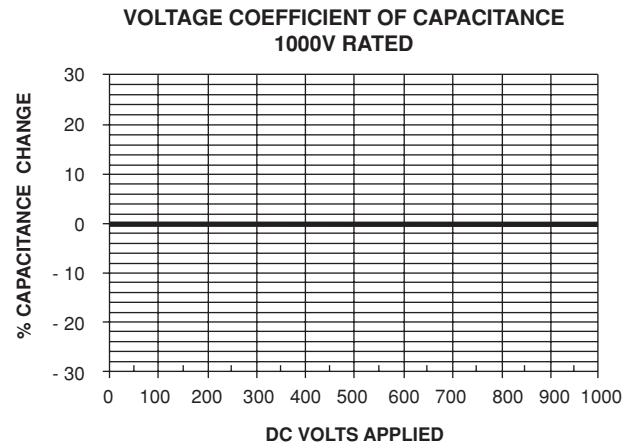
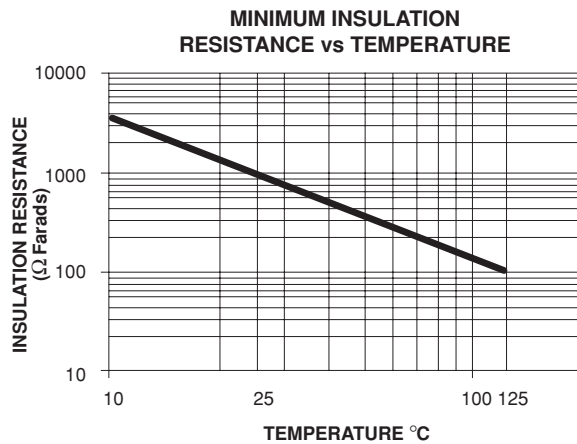
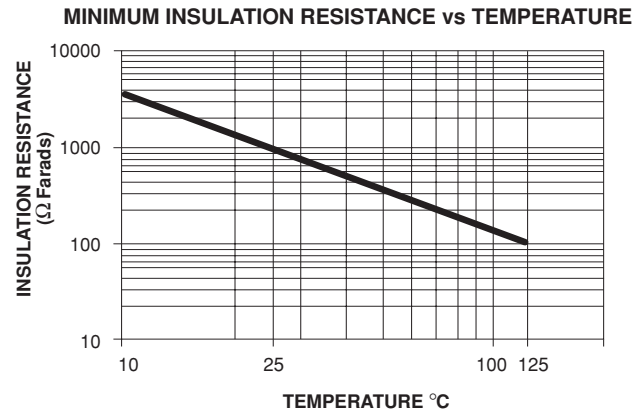
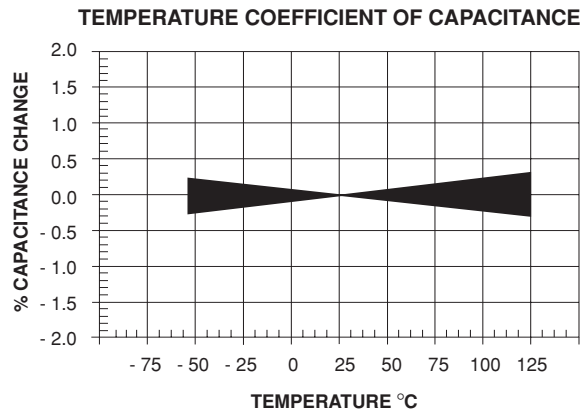


| NPO DIELECTRIC - HIGH VOLTAGE | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------------|--------|---|--------|-----|--------|-----|--------|-----|--------|-----|------|---------|-----|------|------|---------|-----|---------|-----|------|---------|-----|--|--|
| STYLE | | VJ0603 | | VJ0805 | | VJ1206 | | VJ1210 | | VJ1808 | | | VJ1812* | | | | VJ1825* | | VJ2220* | | | VJ2225* | | | |
| E.I.A. TYPE | | 0603 | | 0805 | | 1206 | | 1210 | | — | | | 1812 | | | | 1825 | | — | | | — | | | |
| VOLTAGE (Vdc) | | 200 | — | 200 | 500 | 200 | 500 | 200 | 500 | 200 | 500 | 1000 | 200 | 500 | 1000 | 3000 | 200 | 500 | 200 | 500 | 1000 | 200 | 500 | | |
| Capacitance Code | Capacitance | | | | | | | | | | | | | | | | | | | | | | | | |
| 1R0 | 1.0pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 1R2 | 1.2pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 1R5 | 1.5pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 1R8 | 1.8pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 2R2 | 2.2pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 2R7 | 2.7pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 3R3 | 3.3pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 3R9 | 3.9pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 4R7 | 4.7pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 5R6 | 5.6pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 6R8 | 6.8pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 8R2 | 8.2pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 10pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | 12pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | 15pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | 18pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 22pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 270 | 27pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 | 33pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 390 | 39pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 470 | 47pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 560 | 56pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 680 | 68pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 820 | 82pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | 100pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 121 | 120pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 151 | 150pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 181 | 180pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 221 | 220pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 271 | 270pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 331 | 330pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 391 | 390pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 471 | 470pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 561 | 560pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 681 | 680pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 821 | 820pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 102 | 1000pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 122 | 1200pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 152 | 1500pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 182 | 1800pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 222 | 2200pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 272 | 2700pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 332 | 3300pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 392 | 3900pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 472 | 4700pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 562 | 5600pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 682 | 6800pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 822 | 8200pF | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | .010μF | | | | | | | | | | | | | | | | | | | | | | | | |
| 123 | .012μF | | | | | | | | | | | | | | | | | | | | | | | | |
| 153 | .015μF | | | | | | | | | | | | | | | | | | | | | | | | |
| 183 | .018μF | | | | | | | | | | | | | | | | | | | | | | | | |
| 223 | .022μF | | | | | | | | | | | | | | | | | | | | | | | | |
| 273 | .027μF | | | | | | | | | | | | | | | | | | | | | | | | |
| 333 | .033μF | | | | | | | | | | | | | | | | | | | | | | | | |
| 393 | .039μF | | | | | | | | | | | | | | | | | | | | | | | | |
| 473 | .047μF | | | | | | | | | | | | | | | | | | | | | | | | |
| 563 | .056μF | | | | | | | | | | | | | | | | | | | | | | | | |

*See page 61 for soldering recommendations.



NPO DIELECTRIC - HIGH VOLTAGE - TYPICAL PARAMETERS



This datasheet has been download from:

www.datasheetcatalog.com

Datasheets for electronics components.