



Custom Capacitor Capability

561 AND 564 CLASS I SERIES ELECTRICAL OPTIONS (Precision and over 50 kHz)

| CERAMIC TYPE | RANGE OF CAPACITANCE VALUES (PICOFARADS) | | | | TOLERANCE CODES |
|--------------|---|--|--|--|-----------------|
| | 500 VOLT .250" TO .680" (6.4 TO 17mm) | 1000 VOLT .250" TO .760" (6.4 TO 19mm) | 2000 VOLT .330" TO .900" (8.4 TO 23mm) | 3000 VOLT .330" TO .900" (8.4 TO 23mm) | |
| NP0 | 10 - 390 | 1 - 330 | 1 - 270 | 1 - 180 | C, D, J, K |
| N750 | 47 - 680 | 22 - 470 | 10 - 330 | 10 - 270 | J, K |
| N1000 | 56 - 820 | 33 - 560 | 15 - 390 | 10 - 330 | J, K |
| N2200 | 68 - 750 | 56 - 680 | 33 - 560 | 22 - 470 | J, K |
| N3300 | 100 - 1000 | 75 - 820 | 47 - 750 | 33 - 560 | J, K |
| N4700 | n/A | 330-5600 | 220-4700 | 100-3300 | K, M |

Note: Vishay Cera-Mite also offers capacitors in N030, N080, N150, N220, N330, and N470 characteristics to serve special applications requiring TC matching. Values are available in the same range as NP0.

CUSTOM DISCS

Vishay Cera-Mite's most popular 12 Volt to 6,000 Volt values and constructions are shown as standard part numbers in this catalog. Many other values and lead styles are available. Complete capacitance ranges for various Class I, II and III ceramic materials are shown in the tables below. Various wire lead forms and packaging options are detailed on the next pages. Part numbers for custom capacitors consist of an 18-character designator assigned by our application engineering group. Vishay Cera-Mite will provide a certified outline drawing and complete part number covering custom options specified. Customer approval of the outline is usually requested to guarantee satisfaction.

All performance characteristics shown in this catalog apply to the options unless otherwise stated on the outline drawing.

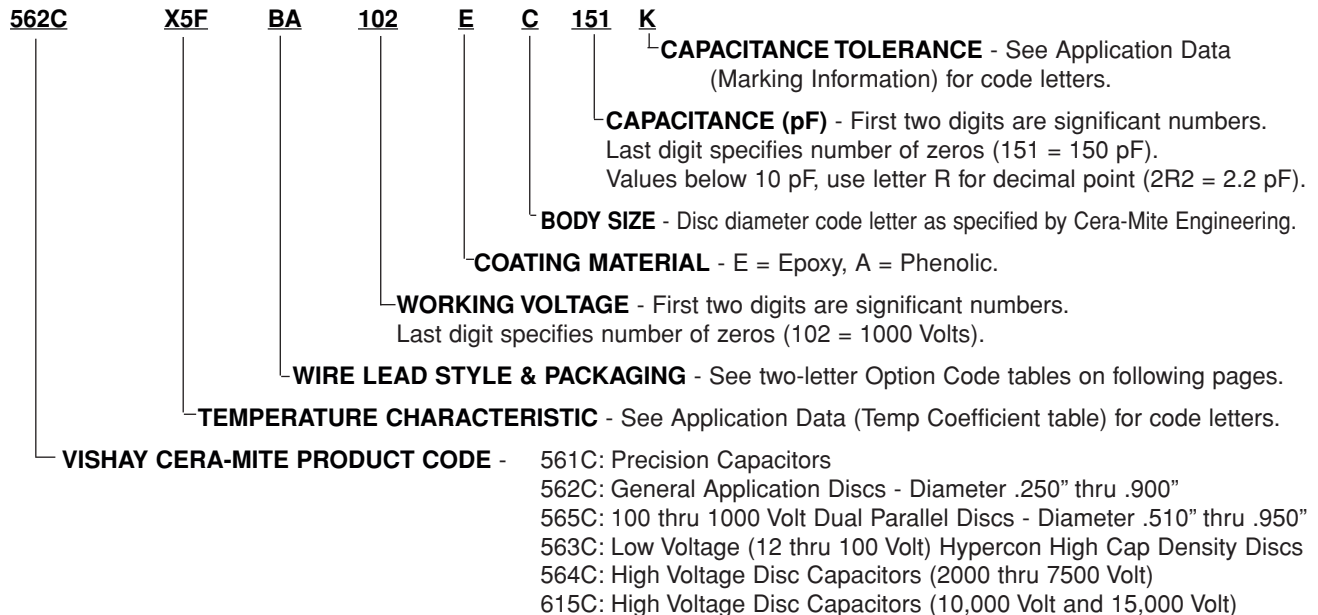
562 AND 564 CLASS II & III SERIES ELECTRICAL OPTIONS (General Purpose)

| CERAMIC TYPE | RANGE OF CAPACITANCE VALUES (PICOFARADS) | | | | | TOLERANCE CODES | | |
|--------------|---|--|--|--|---|-----------------|--------|-----------|
| | 500 Volt .250" to .950" (6.4 to 24mm) | 1000 Volt .250" to .950" (6.4 to 24mm) | 2000 Volt .330" to .950" (8.4 to 24mm) | 3000 Volt .330" to .950" (8.4 to 24mm) | 6000 Volt .400" to .900" (10.2 to 23mm) | 500 V | 1000 V | 2 to 6 KV |
| X5F | 200 - 22,000 | 100 - 20,000 | 68 - 12,000 | 47 - 8,200 | 47 - 2200 | K, M | K, M | K, M |
| X5S | 400 - 22,000 | 300 - 25,000 | 470 - 22,000 | 390 - 15,000 | 220 - 3900 | M | K, M | K, M |
| X7R | 500 - 22,000 | 390 - 28,000 | 390 - 22,000 | 290 - 15,000 | 560 - 3900 | K, M | K, M | K, M |
| Y5U | 1000 - 50,000 | 750 - 50,000 | 560 - 33,000 | 390 - 33,000 | 470 - 6800 | M | M | M, Y |
| Z5U | 1500 - 100,000 | 1000 - 100,000 | 1000 - 47,000 | 680 - 33,000 | 820 - 8200 | M, Z | M, Z | M, Z |
| Y5V | 2000 - 200,000 | 1500 - 150,000 | 1500 - 100,000 | 1000 - 50,000 | N/A | Y, Z | M, Z | M, Z |

Note: 100 Volt ratings are available in same ranges as 500 Volt.

CUSTOM PART NUMBER DESIGNATOR

General Method Used To Describe Radial Leaded Custom Disc Capacitors



This datasheet has been download from:

www.datasheetcatalog.com

Datasheets for electronics components.