



## EXTENDED RANGE CAPACITORS

For commercial applications that require maximum capacitance, Presidio recommends its extended range capacitors. This product is suitable for Group A testing but is not intended for continuous use at 125° C at its maximum voltage rating.

| SIZE | L<br>inches (mm)                  | W<br>inches (mm)                  | THICKNESS<br>MAX. (T)<br>inches (mm) | METALIZATION<br>BAND (M.B.)<br>inches (mm)        | WVDC | DIELECTRIC |          |
|------|-----------------------------------|-----------------------------------|--------------------------------------|---|------|------------|----------|
|      |                                   |                                   |                                      |   |      | X7R        | Y5V      |
| 0402 | 0.040 (1.02)<br>±<br>0.004 (0.10) | 0.020 (0.51)<br>±<br>0.004 (0.10) | 0.024<br>(0.61)                      | 0.004 (0.10) min. band<br>0.015 (0.38) min. space | 10 V | 0.022 µF   | 0.10 µF  |
|      |                                   |                                   |                                      |   | 16 V | 0.010 µF   | 0.047 µF |
|      |                                   |                                   |                                      |   | 25 V | 5600 pF    | 0.022 µF |
| 0403 | 0.040 (1.02)<br>±<br>0.010 (0.25) | 0.030 (0.76)<br>±<br>0.010 (0.25) | 0.030<br>(0.76)                      | 0.004 (0.10) min. band<br>0.015 (0.38) min. space | 10 V | 0.068 µF   | 0.18 µF  |
|      |                                   |                                   |                                      |   | 16 V | 0.033 µF   | 0.10 µF  |
|      |                                   |                                   |                                      |   | 25 V | 0.018 µF   | 0.056 µF |
| 0504 | 0.050 (1.27)<br>±<br>0.010 (0.25) | 0.040 (1.02)<br>±<br>0.010 (0.25) | 0.040<br>(1.02)                      | 0.005 (0.13) min. band<br>0.015 (0.38) min. space | 10 V | 0.15 µF    | 0.47 µF  |
|      |                                   |                                   |                                      |   | 16 V | 0.10 µF    | 0.33 µF  |
|      |                                   |                                   |                                      |   | 25 V | 0.068 µF   | 0.18 µF  |
| 0603 | 0.063 (1.60)<br>±<br>0.006 (0.15) | 0.032 (0.81)<br>±<br>0.006 (0.15) | 0.035<br>(0.89)                      | 0.005 (0.13) min. band<br>0.025 (0.64) min. space | 10 V | 0.15 µF    | 0.47 µF  |
|      |                                   |                                   |                                      |   | 16 V | 0.10 µF    | 0.33 µF  |
|      |                                   |                                   |                                      |   | 25 V | 0.068 µF   | 0.18 µF  |
| 0805 | 0.080 (2.03)<br>±<br>0.010 (0.25) | 0.050 (1.27)<br>±<br>0.010 (0.25) | 0.055<br>(1.40)                      | 0.020 (0.51)<br>±<br>0.010 (0.25)                 | 10 V | 0.27 µF    | 0.82 µF  |
|      |                                   |                                   |                                      |   | 16 V | 0.20 µF    | 0.56 µF  |
|      |                                   |                                   |                                      |   | 25 V | 0.15 µF    | 0.47 µF  |
| 1206 | 0.126 (3.20)<br>±<br>0.008 (0.20) | 0.063 (1.60)<br>±<br>0.008 (0.20) | 0.059<br>(1.50)                      | 0.020 (0.51)<br>±<br>0.010 (0.25)                 | 10 V | 0.68 µF    | 2.0 µF   |
|      |                                   |                                   |                                      |   | 16 V | 0.47 µF    | 1.5 µF   |
|      |                                   |                                   |                                      |   | 25 V | 0.33 µF    | 1.0 µF   |

### HOW TO ORDER

EXAMPLE: 0508X7R103K2P3

