



HVCC CLASS 1 SERIES

WHEN RELIABILITY AT HIGH VOLTAGE MATTERS MOST

HIGH RELIABILITY – LOW LOSS

High Voltage Performance

Designed for demanding medical, industrial, and security applications

KEY ADVANTAGES:

- Ultra high voltage rating:
 - 15 000 V_{DC} / 5300 V_{AC}
- High reliability:
 - Pulse tested at 15 kV (50 cycles)
 - Temperature cycle test (50 cycles)
- Low losses:
 - Dissipation factor ≤ 1.0 % at 1 kHz
- Wide capacitance range:
 - 100 pF to 1 nF
- Long life:
 - 1.25 $\times$ rated voltage at 85 °C for 1000 h



APPLICATIONS

- High voltage power supplies
- Baggage scanner
- Medical x-ray
- Industrial laser
- Air purifier
- Ionizer



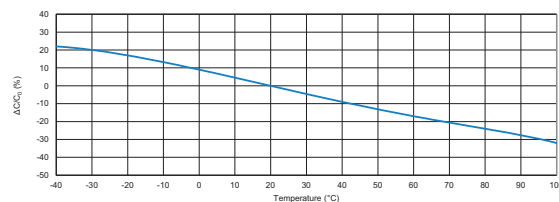
100 % END OF LINE INSPECTION

- Capacitance measurement
- IR measurement
- DF measurement
- High voltage testing at 2 $\times$ rated voltage

All parts **ALWAYS IN STOCK**
GET YOUR SAMPLES NOW: [VISHAY > LOGIN](#)

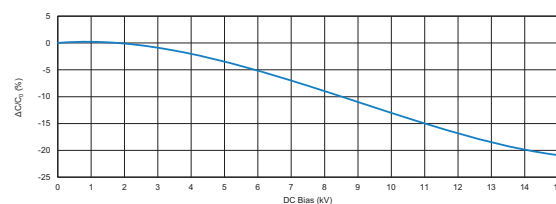
TYPICAL TEMPERATURE PERFORMANCE OF CAPACITANCE

TYPICAL TCC T3M



TYPICAL DC BIAS PERFORMANCE OF CAPACITANCE

TYPICAL T3M - ΔC/C₀ / % VS. U_{rated, DC}



TYPICAL DISSIPATION FACTOR

TYPICAL T3M DF VS. FREQUENCY

