



PRESIDIO COMPONENTS, INC.

FILTER FEEDTHROUGH

(Patented)

For EMI/RFI Filtering in Medical, Industrial and Military Applications

APPLICATION:

- High reliability electromagnetic interference (EMI) filter feedthrough

FEATURES:

- Smallest size & highest voltage in the industry
- Capable of withstanding 2400 volt monophasic pulses on high voltage design
- Super low ESR
- High Q
- Excellent insertion loss
- Patented internal electrode design (additional patents pending)
- Available in miniature high voltage design
- DC voltage rating 25V to 2000V

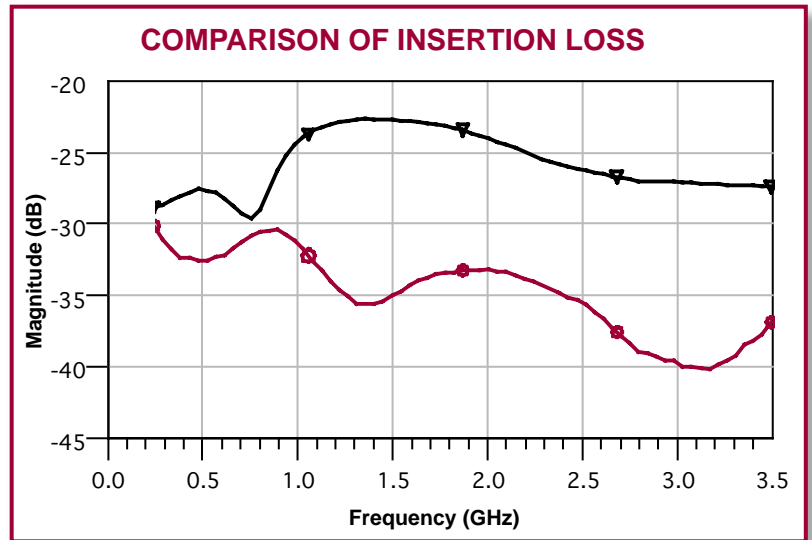
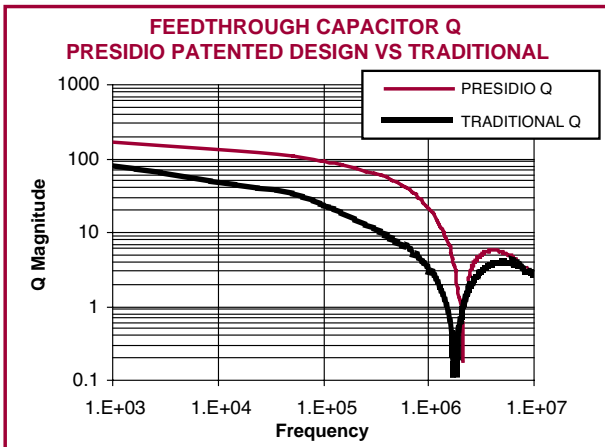
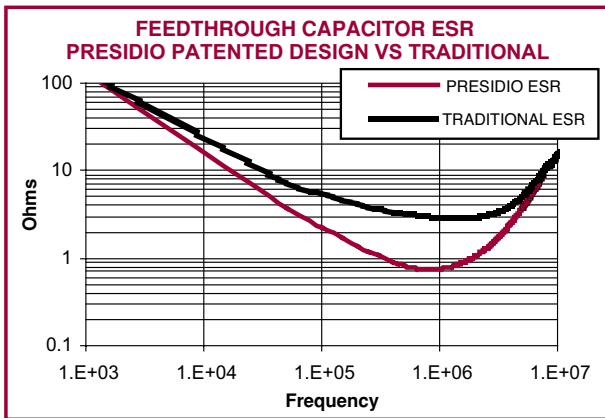
CERAMIC TYPE:

- High quality X7R dielectric ceramic
- Proven in numerous space, military and medical applications
- Temperature coefficient: $\pm 15\%$ maximum

Examples of Feedthrough Capacitors



These multi-hole capacitors have a value of 1.5 nF per hole, a hole center distance of .049" and a voltage rating per hole of 1500 volts. Voltage breakdown > 3500 volts typical.



S21 De-embedded Data
for Presidio Components vs Traditional Design

Frequency: 250 MHz to 3.5 GHz
Red Line with Circles: **PRESIDIO COMPONENTS**
Black Line with Triangles: **Traditional**

Vector Network Analyzer VNA: Anritsu "Lightning" Model 37347C