FILTER FEEDTHROUGH

(Patented)

For EMI/RFI Filtering in 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 and military applications
• Temperature coefficient: ± 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

Applications and features of filter feedthrough components are detailed, including their superior performance characteristics compared to traditional designs. Visual comparisons are shown through graphs and illustrations.