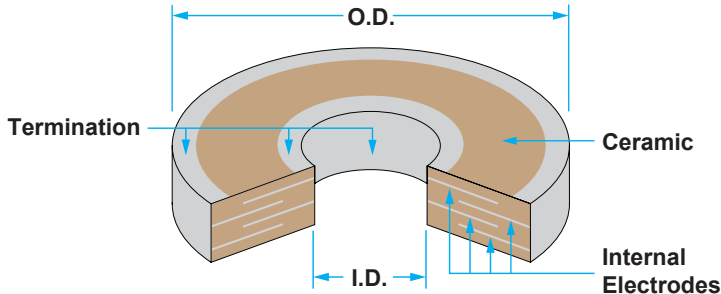




Planars - Array Caps for EMI Filtering
Discoidal Capacitors



Contact Us . . .
Our engineers will assist you your unique design requirements.

Discoidal Capacitors - EMI Filter Products

Johanson Discoidal Feed-through Capacitors are the functional element in the popular and widely used EMI feed-through filters. Johanson Dielectrics Discoidal Capacitors are versatile in meeting varied customer voltage, capacitance and dimensional requirements. These multi-layer capacitors are nonpolar, small, reliable and high in dielectric strength. These devices have very low impedance in their ground paths as their design allows the signal many (up to 100) paths to ground. Discoidal capacitors are ideal for by-pass, filtering, coupling, single line EMI/RFI suppression, and high frequency applications.

- Robust construction, resist damage from handling
- Capacitance values from 10 pF to 11.2 μ F
- Test standards and procedures per MIL-STD-202 and MIL-C-123
- Voltage ratings from 50 to 3000 VDC and 50 to 240 VAC
- Low ESR and ESL, non-polar designs
- Nearly any outside/inside diameter combination, circular or square

While our discoidal product line is far too varied to list all available combinations, performance characteristics for some of our popular models. Call us to discuss your special requirements!

Example Nominal O.D. (")	Dielectric Material	Available Capacitance	Inside Diameter (")	Thickness (")	Rated Voltage
0.100 \pm .005	X7R, NP0 and Selected MOV	10pF - 66nF	10pF - 20 μ F	0.025 \pm 0.070	Up to 200 VDC
0.150 \pm .005		10pF - 200nF	0.037 \pm 0.058		
0.335 \pm .005		10pF - 2.8 μ F	0.034 \pm 0.088	0.045 \pm 0.110	Up to 500 VDC
0.345 \pm .005		10pF - 6.0 μ F	0.040 \pm 0.085	0.055 \pm 0.110	Up to 750 VDC
0.376 \pm .005		10pF - 8.0 μ F	0.050 \pm 0.075	0.065 \pm 0.125	
0.643 \pm .005		10pF - 15 μ F	0.063 \pm 0.080	0.055 \pm 0.150	
0.840 \pm .005		10pF - 20 μ F	0.050 \pm 0.075	0.080 \pm 0.130	Up to 1000 VDC

NOTE: MIL STD Screening Available