Pulsed RF Fixed Capacitors (50-250 pF)

High Voltage • High Power • High Q • Non-Magnetic

6 Kv Series

Ordering Instructions

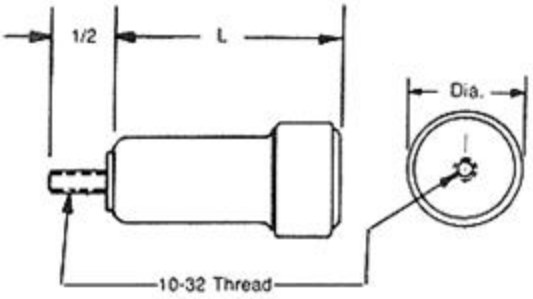
PRF-FC - 151 - J -6

Style

Kv(peak) test

Capacitance tolerance J (± 5%) is standard

Expressed in picofarads (pF). First 2 digits are significant. Last digit specifies number of zeros to follow. An "R" denotes a decimal point, in which case all figures are significant.



Specifications

Quality Factor (Q)..... 5000 or greater
Insulation Resistance..... 10^6 Megohms
Operating Temperature..... -55° C to 150° C
Temperature Coefficient.....50 ppm/°C

Design

PTFE Anode and Cathode surfaces are metalized with electrode-posited copper. Polyflon's proprietary plating process eliminates trapped air between the PTFE and copper interface which could break down under voltage stress.

Part Number	Capacitance Value (pF)	Pulse Peak (Kv) Working Volts	Peak (Kv) Test Volts @60 HZ	Max. (RMS) Current (amps)	Dimension/inch. (mm)		Wt./Ounce (Approx.)
					L (±.020")	Dia. (±.020")	
PRF-FC-500-J-6	50	3	6	6	1.015	1.250	3
PRF-FC-750-J-6	75	3	6	8	1.310	1.250	3
PRF-FC-101-J-6	100	3	6	10	1.600	1.250	4
PRF-FC-121-J-6	120	3	6	12	1.830	1.250	4
PRF-FC-151-J-6	150	3	6	15	2.180	1.250	4
PRF-FC-175RO-J-6	175	3	6	18	2.475	1.250	5
PRF-FC-201-J-6	200	3	6	20	2.765	1.250	5
PRF-FC-251-J-6	250	3	6	28	3.285	1.250	5

NOTE: Working volts and maximum RMS current must not occur simultaneously.