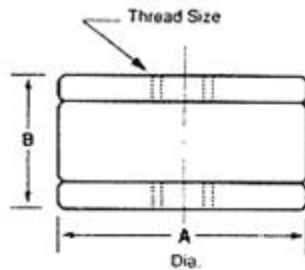


RF Fixed Capacitors (5-50 pF)

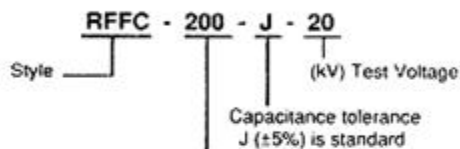
High Voltage - High Power - High Q - Non-Magnetic



Specifications

Capacitance Range (Series)	5 - 50 pF
Working Voltage	50% of Test Voltage
Dielectric Strength	200% of Working Voltage
Quality Factor (Q)	5000 or greater
Insulation Resistance	10 ⁶ Megohms
Operating Temperature	-55°C to 150°C
Temperature Coefficient	50ppm/°C
Thread Size	10-32, UNF-2B

Ordering Instructions



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 all figures are significant.

Design

Anode and cathode are formed by metallizing virgin PTFE with electrodeposited copper. Polyflon's proprietary plating process eliminates the possibility of air being trapped between the PTFE and copper interface which could break down under voltage stress. Silver plated brass end caps are soldered to the electroplated anode and cathode.

PART NUMBER	Capacitance Value (pF)	Peak Test Voltage 60Hz (kv)	Max. (rms) Current (amperes)	Dimensions / Inches (mm)		Weight Pounds (Approx.)
				A Dia. (±.020")	B Height (±.020")	
RFFC-5R0-J-10	5	10	1.1	1.07 (27.2)	1.25 (31.8)	.13
RFFC-100-J-10	10	10	2.1	1.34 (34.0)		.19
RFFC-200-J-10	20	10	4.2	1.73 (43.9)		.33
RFFC-300-J-10	30	10	6.3	2.03 (51.6)		.48
RFFC-400-J-10	40	10	8.3	2.28 (57.9)		.61
RFFC-500-J-10	50	10	10.4	2.50 (63.5)	.76	
RFFC-5R0-J-20	5	20	2.1	1.34 (34.0)	2.25 (59.2)	.24
RFFC-100-J-20	10	20	4.2	1.73 (43.9)		.41
RFFC-200-J-20	20	20	8.3	2.28 (57.9)		.96
RFFC-300-J-20	30	20	12.6	2.70 (68.6)		1.02
RFFC-400-J-20	40	20	16.7	3.06 (77.7)		1.31
RFFC-500-J-20	50	20	20.9	3.38 (85.9)	1.60	
RFFC-5R0-J-30	5	30	3.1	1.55 (39.4)	3.25 (82.6)	.40
RFFC-100-J-30	10	30	6.3	2.03 (51.6)		.66
RFFC-200-J-30	20	30	12.5	2.70 (68.6)		1.15
RFFC-300-J-30	30	30	18.8	3.22 (81.8)		1.61
RFFC-400-J-30	40	30	25.0	3.66 (93.0)		2.06
RFFC-500-J-30	50	30	31.3	4.04 (102.6)	2.50	

Notes

- Working voltage and maximum rms current must not occur simultaneously.
- Test voltage rating may be used as maximum operating voltage provided the average current produced by the duty cycle does not exceed the maximum rms current.