

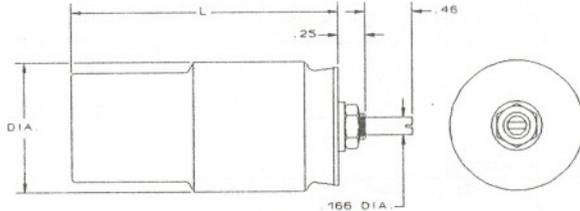
POLYFLON DESIGN DATA

RF Variable Capacitors (0.8 - 125 pF)

- Non-Magnetic • High Voltage • High Power • High "Q"
- Screwdriver Adjust Non-Rotating Piston Series

NRP Series

Capacitance Range	0.8 - 125pF
Working Voltage	To 10Kv
Dielectric Strength	200% of working voltage
Quality Factor (Q)	5000 or greater
Insulation Resistance	10 ⁶ Megohms
Operating Temperature	-55° C to 125° C
Temperature Coefficient	50 ppm/ ^o C
Tuning Torque	4 inch ounces (max.)



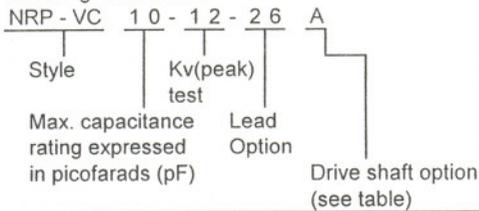
Design

PTFE anode and mount surfaces are metalized 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.

Notes

- 1 Working volts and maximum RMS current must not occur simultaneously.
- 2 Peak test voltage rating may be used for pulsed voltage applications. Peak pulsed current will be limited by the duty cycle that will provide an average current that does not exceed the maximum RMS current.
- 3 Mounting dimensions: 1/4" diameter "D" hole. Hardware: 1/4"-32 hex nut and internal tooth lockwasher. Mounting flange is at the bottom of the capacitor.

Ordering Instructions



PART NUMBER	Capacitance Range (pF)	Peak (Kv) Working Volts	Peak (Kv) Test Volts	Max. (RMS) Current (amps)	Dimensions/inch (mm)		Wt./Ounces (Approx.)
					L(+/- .020")	Dia.(+/- .020")	
NRP - VC5 - 10 -*	0.8 - 5	5	1 0	2.30	1.560 (39.5)	0.500 (12.7)	0.40
NRP - VC10 - 12 -*	0.8 - 10	6	1 2	3.60	1.830 (46.5)	0.625 (15.9)	0.80
NRP - VC25 - 6 -*	5 - 25	3	6	5.70	1.620 (41.4)	0.910 (23.1)	1.25
NRP - VC25 - 6B -*	5 - 25	3	6	4.20	1.620 (41.4)	0.625 (15.9)	1.25
NRP - VC25 - 15 -*	5 - 25	1 0	1 5	7.20	1.770 (45.0)	1.125 (28.6)	2.00
NRP - VC30 - 6 -*	3 - 30	3	6	10.00	2.250 (57.2)	1.500 (38.1)	4.00
NRP - VC50 - 6 -*	5 - 50	3	6	12.50	2.250 (57.2)	1.500 (38.1)	3.50
NRP - VC50 - 15 -*	5 - 50	1 0	1 5	15.00	2.515 (63.9)	1.625 (41.3)	4.00
NRP - VC70 - 15 -*	5 - 70	1 0	1 5	20.00	3.250 (82.6)	1.625 (41.3)	4.50
NRP - VC85 - 6 -*	5 - 85	3	6	20.00	3.250 (82.6)	1.500 (41.3)	4.10
NRP - VC90 - 6 -*	5 - 90	3	6	10.00	2.780 (2.78)	1.050 (26.6)	3.50
NRP - VC100 - 6 -*	5 - 100	3	6	25.00	3.525 (89.6)	1.500 (41.3)	6.00
NRP - VC125 - 6 -*	5 - 125	3	6	28.00	3.835 (97.5)	1.500 (38.1)	8.00

CRANE® POLYFLON

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Drive Shaft Option Table	
Option	Description
A	Extension Shaft: .125" dia. x 3" long delrin rod with .500" dia. x .250" thick knurled delrin knob.
B	Coupling Adapter: .375" O.D. x .170" I.D. (female) x .500" long to .250" dia. (male). Overall length is 1". (Has set screws)
C	Coupling Adapter: .437" O.D. x .170" I.D. (female) to .250" dia. (female). Overall length is 1". (Has set screws).
94	Anode Terminal: .375", 10 - 32 UNC - 2A

Lead Option Table	
Lead Option	Description
06	without lead options
16	3" wire, top only - in line with flat
26	3" wire, top and bottom - in line with the flat
36	1 - 1/2" strap, top only - in line with the flat
66	3" wire, top only - opposite flat
76	3" wire, top and bottom - opposite flat
86	1 - 1/2" strap, top only - opposite flat

