



NOVACAP RF0505 SERIES CAPACITORS



NOVACAP manufactures a new improved ESR performance RF0505 series capacitors. This series has been designed for rugged environments in high power broadband coupling and switching power supplies. The Class II ceramic dielectric affords high volumetric efficiency with negligible piezoelectric effects. Please contact the factory for higher WVDC, capacitance values not listed, or tolerance.

CAPACITANCE & VOLTAGE SELECTION

CAP CODE	CAP (pF)	TOL.	RATED WVDC	CAP CODE	CAP (pF)	TOL.	RATED WVDC	CAP CODE	CAP (pF)	TOL.	RATED WVDC
471	470	K,M	50	152	1,500	K,M	50	472	4,700	K,M	50
561	560	K,M	50	182	1,800	K,M	50	502	5,000	K,M	50
681	680	K,M	50	222	2,200	K,M	50	562	5,600	K,M	50
821	820	K,M	50	272	2,700	K,M	50	682	6,800	K,M	50
102	1,000	K,M	50	332	3,300	K,M	50	822	8,200	K,M	50
122	1,200	K,M	50	392	3,900	K,M	50	103	10,000	K,M	50

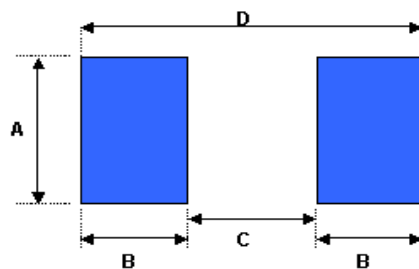
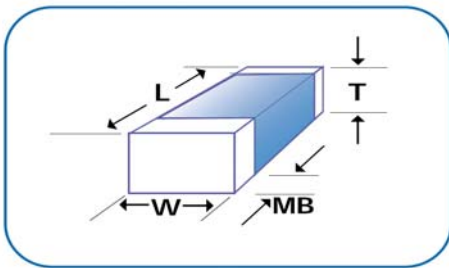
DIMENSIONS INCHES (MM)

SIZE	NOMINAL	TOLERANCE
LENGTH L	.055 (1.40)	+0.015-.010 (+0.38-0.25)
WIDTH W	.055 (1.40)	±.015 (0.38)
T MAX	.057 (1.45)	Maximum
MB	.014 (.356)	±.006 (0.152)

RECOMMENDED MOUNTING PADS

SIZE	A Min.	B Min.	C Min.	D Min.
VERT	.070"	.050"	.030"	.130"
HORIZ	.080"	.050"	.030"	.130"

VERT =Vertical Mount,HORIZ =Horizontal Mount

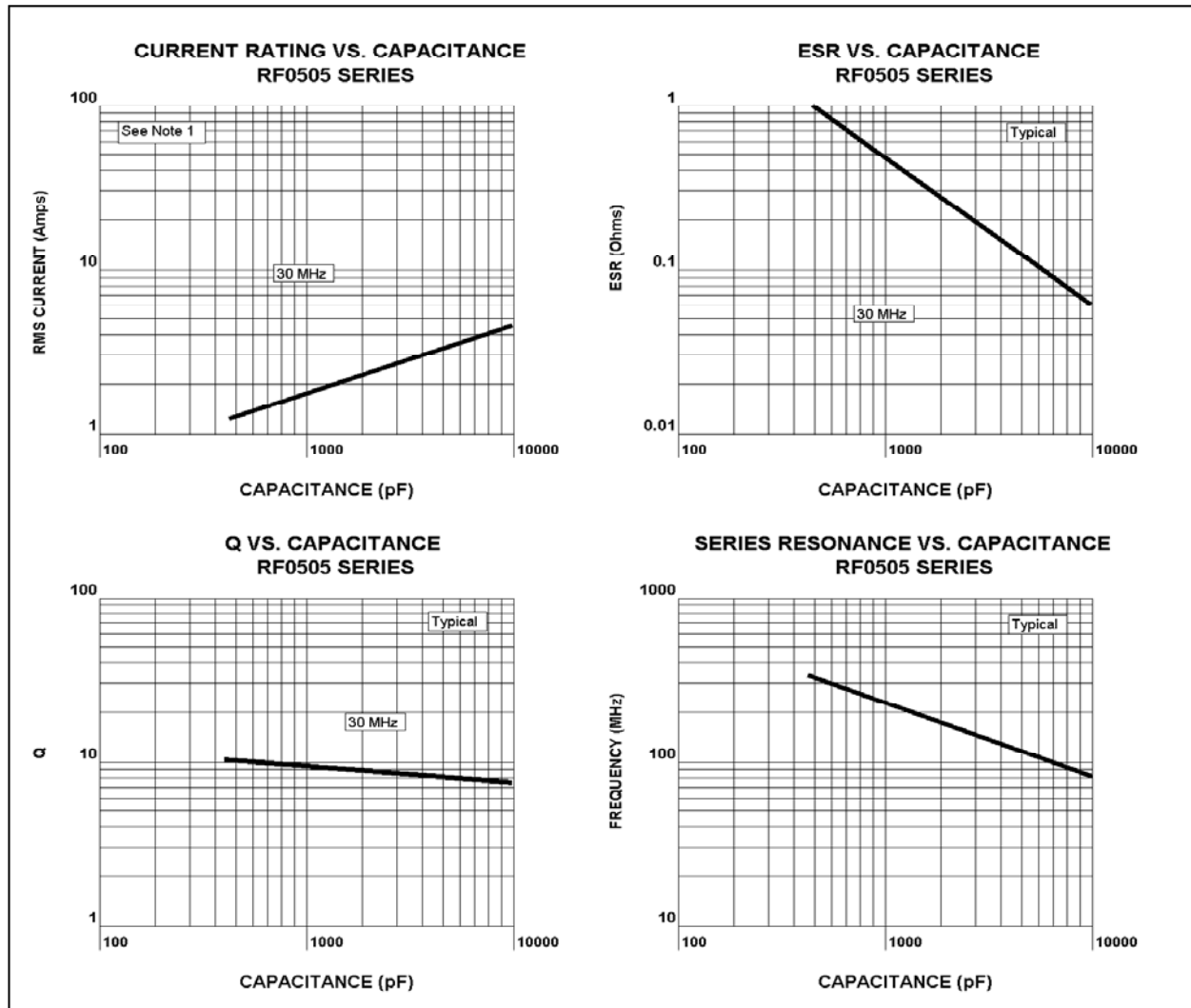


DIELECTRIC CHARACTERISTICS

Operating Temp Range	-55°C to 125°C
Temp Voltage Coefficient	+15/-25% Delta C Max
Dissipation Factor	.025 (2.5%) Max
Insulation Resistance @ 25°C	>1000ΩF
Insulation Resistance @ 125°C	>100ΩF
Dielectric Withstanding Voltage	2.5X WVDC, 5 Seconds
Test Parameters	1KHz, 1.0VRMS, 25°C



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Note 1: Current rating based a device thermal resistance of 20°C/W and a 65°C mounting surface.
1.5 Watts of power dissipation will result in a 125°C case temperature.

HOW TO ORDER

RF	0505	X	103	K	500	N	X057	T
SERIES	SIZE	DIELECTRIC	CAPACITANCE	TOLERANCE	VOLTAGE	TERMINATION	THICKNESS	PACKING
	See Chart	X = BX Class II	Value in Picofarads Two significant figures, followed by number of zeros: 473 = 47,000pF	K = +/- 10 % M = +/- 20 %	VDCW Two significant figures, followed by number of zeros: 500 = 50V	K = Solderable Palladium/Silver (Non-Magnetic) N = Nickel barrier 100% Tin (RoHS) Y = Nickel barrier 90%Tin/10%Lead	.057" (1.45) max thickness	OPTION T=Reeled W=Waffle None= Bulk