Vishay Draloric

RF Power Tubular Capacitors with Mounting Tags, Class 1 Ceramic



QUICK REFERENCE DATA					
DESCRIPTION	VALUE				
Ceramic Class		1			
Ceramic Dielectric	R7, R42, R85				
Туре	RA 012085	RA 012020			
Voltage (V _p)	2000				
Min. Capacitance (pF)	3.0	10			
Max. Capacitance (pF)	100	400			
Mounting	Screw terminal				

MATERIAL

Capacitor elements made from class 1 ceramic dielectric with noble metal electrodes.

Connection terminals:

made from copper / brass, silver plated.

FINISH

Capacitor body completely protective lacquered.

The contoured insulating rim and the ceramic base are additionally glazed.

MARKING

Type designator, capacitance value and tolerance, rated peak voltage, ceramic material code, production date code, manufacturer logo

FEATURES

- Small size
- High reliability
- Wide range of capacitance values

APPLICATIONS

- · Induction and dielectric heating
- Antenna units
- · Filter, bypass, and coupling circuits

CAPACITANCE RANGE

3.0 pF to 400 pF

CAPACITANCE TOLERANCE

< 10 pF: \pm 2 pF; \pm 1 pF; \pm 0.5 pF \geq 10 pF: \pm 20 %; \pm 10 %; \pm 5 %

CERAMIC DIELECTRICS

- R7 (TCC + 100 ppm/K)
- R42 (TCC 250 ppm/K)
- R85 (TCC 750 ppm/K)

RATED VOLTAGE

 2.0 kV_{p}

DIELECTRIC STRENGTH TEST

200 % of rated AC voltage (50 Hz, 5 minutes)

DISSIPATION FACTOR

R7: max. 0.07 % (1 MHz) R42, R85: max. 0.05 % (1 MHz)

INSULATION RESISTANCE

Min. 100 000 M Ω (at 25 °C)

OPERATING TEMPERATURE RANGE

-55 °C to +100 °C



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PART NUMBER	CERAMIC	CAP. VALUES (pF)	RATED VOLTAGE (kV _P)	RATED POWER ⁽¹⁾ (kvar)	RATED CURRENT (A _{RMS})
TYPE RA 012085			1	1	
RA012085BB930##BF1		3.0			
RA012085BB940##BF1		4.0			
RA012085BB950##BF1	R7	5.0		0.7	
RA012085BB960##BF1		6.0		0.7	
RA012085BB980##BF1		8.0	1		
RA012085BB100##BF1		10			
RA012085BB160##BH1		16			
RA012085BB200##BH1	D40	20	2.0		4.0
RA012085BB250##BH1	R42	25			
RA012085BB300##BH1		30			
RA012085BB400##BJ1		40	1	0.8	
RA012085BB500##BJ1		50	1		
RA012085BB600##BJ1	R85	60	1		
RA012085BB800##BJ1		80	1		
RA012085BB101##BJ1		100	1		
TYPE RA 012020					
RA012020BB100##BF1		10			
RA012020BB120##BF1		12	1		
RA012020BB160##BF1	D7	16		1.4	
RA012020BB200##BF1	R7	20	1	1.4	
RA012020BB250##BF1		25			
RA012020BB300##BF1		30			
RA012020BB400##BH1		40			
RA012020BB500##BH1	D40	50			
RA012020BB600##BH1	R42	60	2.0		4.0
RA012020BB800##BH1		80]		
RA012020BB101##BJ1		100			
RA012020BB121##BJ1		120		1.7	
RA012020BB161##BJ1		160]		
RA012020BB201##BJ1	R85	200	1		
RA012020BB251##BJ1		250]		
RA012020BB301##BJ1		300	1		
RA012020BB401##BJ1		400	1		

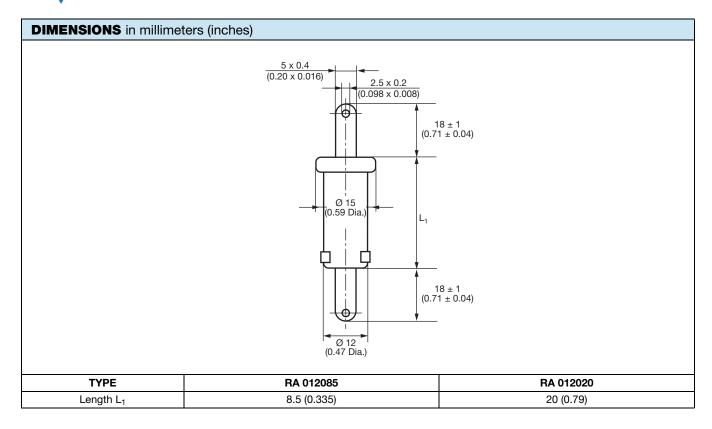
Notes

^{• ## 14&}lt;sup>th</sup> to 15th digit: capacitance tolerance code < 10 pF: \pm 2 pF = 15, \pm 1 pF = 14, \pm 0.5 pF = 13 \geq 10 pF: \pm 20 % = 38, \pm 10 % = 36, \pm 5 % = 33

 $^{^{(1)}}$ The surface temperature during operation must not exceed +100 $^{\circ}$ C

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RELATED DOCUMENTS			
General Information	www.vishay.com/doc?22071		



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