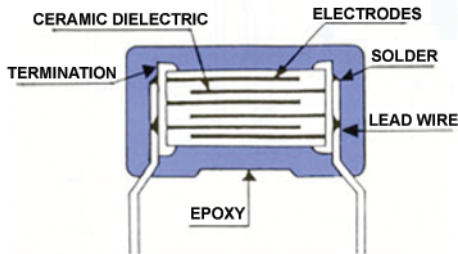


VP2 Series - High Voltage Radials Ceramic Capacitors

Construction



Application

NPO/COG: Temperature compensation type, have little or no change in capacitance with variation in temperature. Hence, they are used in radio-frequency oscillators, precision timing circuits, ultra stable amplifiers, etc.

X7R: Temperature stable type, for by-pass and decoupling in radio and television receivers, computers servo systems, audio tone and coupling, etc. where moderate capacitance variations are permissible and dissipation factor is not critical.

Z5U/Y5V: General type for by-pass and filtering applications.

Case Size

	millimeters (inches)							
Size	382	502	632	762	102	144	186	246
W	3.8 (.150)	5.0 (.196)	6.35 (.251)	7.6 (.299)	10 (.394)	14 (.551)	18 (.709)	24 (.945)
H	3.8 (.150)	5.0 (.196)	6.35 (.251)	7.6 (.299)	10 (.394)	14 (.551)	18 (.709)	24 (.945)
L	See the Ordering Code Chart for Lead Length							
LS	5.08 (0.20)	5.08 (0.20)	5.08±0.75	5.08 (0.20) 10 (.394) 16 (.630)	5.08 (0.20) 10 (.394) 16 (.630)	10 (.394) 16 (.630)	15 (.591) 24 (.945)	15 (.591) 24 (.945)
T	3 (.118)	4.5 (.177)	3.8 (.150)	4.5 (.177)	5.5 (.217)	5.5 (.217)	6.5 (.256)	6.5 (.256)
d	0.5 (0.020)	0.6 (0.024)	0.53 (0.021)	0.6 (0.024)	0.6 (0.024)	0.8 (0.031)	0.8 (0.031)	0.8 (0.031)

Packaging		
Size	Reel	Bulk
382	3000	2000
502	2500	2000
632	2000	1500
762	2000	1500
102	-	1000
144	-	800
186	-	500
246	-	200

Voltage													
Size	250V	300V	500V	1kV	2kV	3kV	4kV	5kV	6kV	7kV	8kV	9kV	10kV
382	.056uF	.027uF	.015uF	1800pF	Special quote required for higher voltages in these sizes.								
502	.27uF	.1uF	.047uF	.012uF									
632	.68uF	.22uF	.1uF	.022uF	6800pF	Please contact your representative.							
762	1uF	.68uF	.12uF	.068uF	.027uF								
102	.47uF	.22uF	.1uF	.082uF	.012uF	5600pF	3300pF	2200pF	68pF				
144	.68uF	.27uF	.22uF	.15uF	.068uF	.033uF	.018uF	8200pF	4700pF				
186				.47uF	.082uF	.056uF	.027uF	.015uF	.012uF	8200pF	5600pF	4700pF	3300pF
246				1uF	.33uF	.18uF	.1uF	.047uF	.033uF	.022uF	.015uF	.012uF	.01uF

Values Shown Represent Maximum Capacitance

Tolerance		Voltage Codes	
C=±0.25pF	D=±0.5pF	250V	251
G=±2%	J=±5%	500V	501
K=±10%	M=±20%	1kV	102
S=+50 -20%	Z=+80 -20%	10kV	103

HOW TO ORDER

<u>VP2</u> Series	<u>B</u> Dielectric C=COG/NPO B=X7R V=Y5V Z=Z5U	<u>382</u> Size (See chart)	<u>2</u> Lead Length 1 =6mm 2=25mm (standard) 3=taped 4=custom	<u>103</u> Capacitance 0.82pF=828 8.2pF=829 10pF=100 3300pF=332	<u>K</u> Tolerance (See chart)	<u>251</u> Voltage (See chart)	<u>B</u> Packaging B=Bulk R=Tape& Reel A=Ammo pack
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