



VTR-B Radial Multilayer Ceramic Capacitor

Features:

Coating by epoxy resin, creates the excellent humidity resistance and prevents body from damaging during soldering and washing; Industry standard size and various load spacing available. Wide capacitance, Ammo packaging available for auto-placement.

Item	Test standard			
	NPO/CG/GH/RH/UJ/SL	X7R(B)	Z5U(E)	Y5V(Y/F)
Capacitance	In the tolerance	In the tolerance	In the tolerance	In the tolerance
Dissipation Factor	<0.15%	<3.5%	<5%	<7.5%(200nF)
				<10% (220~470nF)
				<15%(470~1000nF)
Insulation Resistance	<10nF	<25nF	<25nF	<25nF
	IR<1000C0MΩ	IR>25nF	IR>25nF	IR>25nF
	C>10nF	C>25Nf	C>25Nf	C>25Nf
	R·C>100S	R·C>100S	R·C>100S	R·C>100S
Withstanding Voltage	2.5 rated voltage	2.5 rated voltage	2.5 rated voltage	2.5 rated voltage
Test Condition				
Test Frequency	1 MHZ (C>1000PF 1KHz)	1KHz	1KHz	1KHz
Test Voltage of Cap.&D.F	1±0.2V	1±0.2V	0.3±0.2V	0.3±0.2V
Test Voltage of IR	Rated Voltage	Rated Voltage	Rated Voltage	Rated Voltage
Temperature	10~25℃	10~25℃	10~25℃	10~25℃
Humidity	<75%	<75%	<75%	<75%

Size Code	Shape	Dimensions (mm)					Voltage	Capacitance(pF)		
		F (±0.5)	Hmin (±1)	Lmax	Wmax	Tmax		COG(NPO)	X7R	Y5V (Z5U)
0805	a	2.54	5							
	b	2.54	10							
	C1	5.08	5.0/10.0	4.2	3.8	3.8	25V	0R5~332	331~104	103~105
	C2	5.08	5				50V	0R5~222	331~104	103~684
1206	C4	5.08	5.0/10.0				100V	0R5~102	331~104	
	a	2.54					25V	0R5~682	102~224	103~125
	b	3.5	10.0	5.0	4.5	3.8	50V	0R5~472	102~104	103~105
1210	C1	5.08					100V	0R5~392	102~105	
	b	3.50	10.0	7.6	5.5	3.8	25V	0R5~103	102~334	104~155
	C1	5.08					50V	0R5~472	102~224	
1812	b						100V	0R5~392	102~105	
	b	4.57	10.0	8.5	8.5	3.8	25V	561~103	103~474	154~335
	b						50V	561~682	103~334	
2225	b						100V	561~472	103~105	
	b	5.50	10.0	10.5	9.5	4.2	25V	102~223	103~105	684~475
	b						50V	102~223	103~105	
3035	b						100V	102~103	103~474	
	b	7.50	10.0	12.5	10.5	4.2	25V	102~104	103~225	105~106
	b						50V	102~473	103~205	105~685
	b						100V	102~333	103~105	



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