

# MURATA High Voltage Ceramic Chip Capacitors



## GR4 SERIES HIGH VOLTAGE MULTILAYER SMD CERAMIC CHIP CAPACITORS

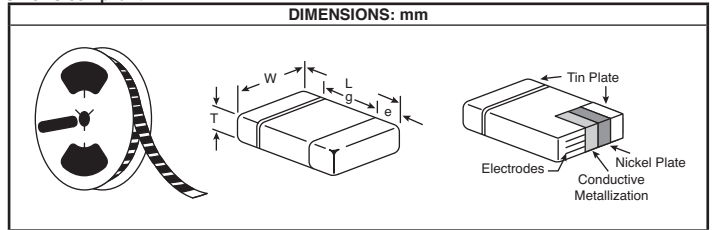
RoHS compliant This product is RoHS compliant.

### Features:

- Lead Free
- 250V - 3.15kV
- Meets special Hi-Voltage needs
- Base metal and lead-free technology
- GA3 is safety Rated (Y2/Y3)
- Operating Temperature: -55°C to +125°C
- Temperature Coefficient: X7R



RoHS Compliant

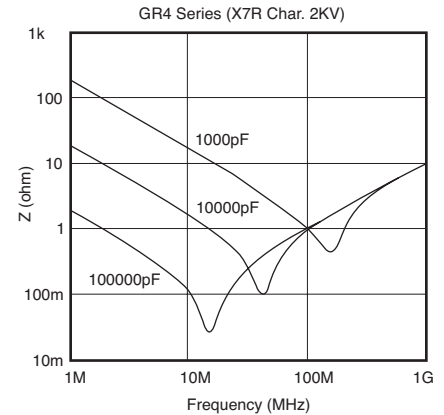
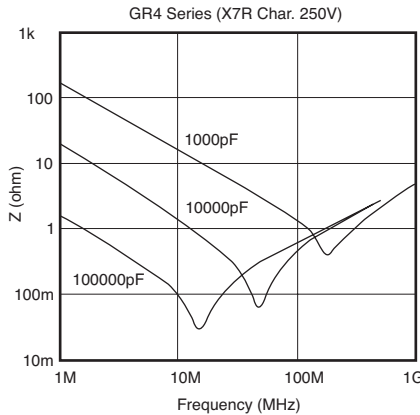
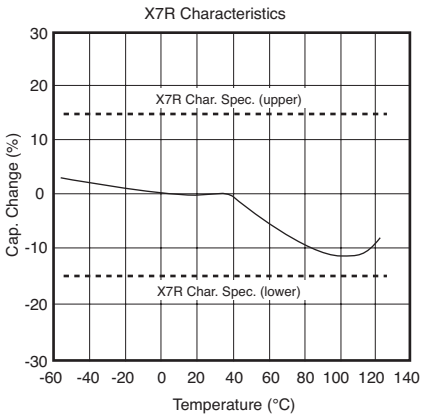


Application Selection Guide				
Series		GRM	GR4	GA3
Modem	DAA Modem	•	•	•
	xDSL Modem	•	•	•
Network	Set Top Box	•	•	•
	LAN, Router, HUB, Switch, etc.	•	•	•
Flat Panel Display	LCD Back Light Inverter	•	•	•
	PDP Panel	•	•	•
Power Supply	Switching Power Supply, AC Adapter	•	•	•
	DC/DC Converter	•	•	•
	Battery Charger for Cellophone	•	•	•
Lighting	Electric Ballast for Fluorescent Lamp	•	•	•
	Electric Ballast for CFL	•	•	•

Part No.	L	W	T (max)	e	g min.
GR431C	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2	0.3 min.	1.2
GR442Q	4.5 ±0.3	2.0 ±0.2	1.5 ±0,-0.3		2.5
GR443D	4.5 ±0.4	3.2 ±0.3	2.0 ±0,-0.3		1.2
GR443Q	4.5 ±0.4	3.2 ±0.3	1.5 ±0,-0.3		
GR731B	3.2 ±0.2	1.6 ±0.2	1.25 ±0,-0.3	0.3 min.	1.2
GR731C	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2		1.2
GR732D	3.2 ±0.2	2.5 ±0.2	2.0 ±0,-0.3		
GR732Q	3.2 ±0.2	2.5 ±0.2	1.5 ±0,-0.3		

Ceramic Caps, SMD

Murata



• Isolation Lan Ethernet and DC/DC only • Satisfies IEEE 802.3 requirements

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Vdc (V)	Tolerance ±	Price Each				Reel Qty.	Price Per Piece
					1	50	100	500		
<b>1808 Case Size - for Information Devices / Tip &amp; Ring</b>										
81-GR442QR73D101KW01	GR442QR73D101KW01L	100	2KV	±10%	.47	.349	.327	.283	2000	.174
81-GR442QR73D101KW01	GR442QR73D101KW01L	100	3KV	±10%	.47	.349	.327	.283	2000	.174
81-GR442QR73D151KL	GR442QR73D151KW01L	150	2KV	±10%	.48	.356	.334	.289	2000	.178
81-GR442QR73D221KL	GR442QR73D221KW01L	220	2KV	±10%	.58	.38	.329	.295	2000	.227
81-GR442QR73D331KL	GR442QR73D331KW01L	330	2KV	±10%	.32	.238	.223	.193	2000	.119
81-GR442QR73D471KL	GR442QR73D471KW01L	470	2KV	±10%	.33	.245	.23	.198	2000	.122
81-GR442QR73D681KL	GR442QR73D681KW01L	680	2KV	±10%	.59	.38	.304	.194	2000	.131
81-GR442QR73D102KW01	GR442QR73D102KW01L	1000	2KV	±10%	.48	.38	.311	.222	2000	.15
81-GR442QR73D152KW01	GR442QR73D152KW01L	1500	2KV	±10%	.59	.38	.304	.194	2000	.131
81-GR442QR73D152KW01	GR442QR73D152KW01L	1500	3KV	±10%	.61	.40	.321	.229	2000	.15
<b>1812 Case Size - for Information Devices / Tip &amp; Ring</b>										
81-GR443QR73D102KW01	GR443QR73D102KW01L	1000	2KV	±10%	.99	.67	.571	.46	2000	.27
81-GR443QR73D182KL	GR443QR73D182KW01L	1800	2KV	±10%	.63	.462	.433	.374	2000	.231
81-GR443QR73D222KW01	GR443QR73D222KW01L	2200	2KV	±10%	.82	.55	.436	.278	2000	.24
81-GR443QR73D222KW01	GR443QR73D222KW01L	2200	3KV	±10%	.66	.484	.454	.392	2000	.242
81-GR443QR73D272KL	GR443QR73D272KW01L	2700	2KV	±10%	.69	.512	.48	.415	2000	.256
81-GR443QR73D332KL	GR443QR73D332KW01L	3300	2KV	±10%	.82	.55	.436	.278	2000	.24
81-GR443QR73D392KW01	GR443QR73D392KW01L	3900	2KV	±10%	.70	.52	.487	.421	2000	.26
81-GR443DR73D472KW01	GR443DR73D472KW01L	4700	2KV	±10%	1.09	.75	.63	.48	2000	.276
<b>1206 Case Size - for Camera Flash Circuits</b>										
81-GR731CR72E153KL	GR731CR72E153KW03L	.015µF	250	±10%	.16	.124	.116	.10	2000	.062
81-GR731CR72E223KL	GR731CR72E223KW03L	.022µF	250	±10%	.16	.124	.116	.10	2000	.062
<b>1210 Case Size - for Camera Flash Circuits</b>										
81-GR732DR72E473KL	GR732DR72E473KW01L	.047µF	250	±10%	.28	.21	.196	.17	2000	.105

