

MURATA SMD and Leaded MLCCs



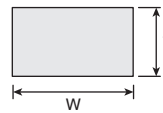
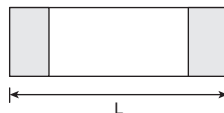
The GR3 and RDE series of multi-layer ceramic capacitors (MLCC) have been designed by Murata to be incorporated in LED lighting circuits, immediately following the bridge rectification stage, to provide DC supply smoothing and EMI filtering. The GR3 family is for reflow soldering use and the RDE family provides radial leaded insertion production. Compared to standard ceramic capacitors test by Murata showed a 10dB reduction in acoustic noise by using the new GR3 MLCC capacitors. Further noise reductions are possible with the RDE leaded parts.

This product is RoHS compliant.

GR3 SERIES SMD CHIP MONOLITHIC CERAMIC CAPACITORS

Large Capacitance and High Allowable Ripple Current

- Features:**
- Operating Temperature Range X7T: -55°C to +125°C
 - Tolerance: 10%

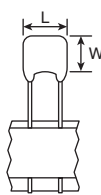


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (uF)	Voltage	Dimensions	Price Per Piece				Reel Qty.	Price Per Piece
						1	50	100	500		
81-GR321AD72E103KW1D	GR321AD72E103KW01D	0805	0.010	250	2.0 x 1.25 x 1.0	.22	.153	.137	.118	4000	.071
81-GR321AD72E153KW1D	GR321AD72E153KW01D	0805	0.015	250	2.0 x 1.25 x 1.0	.22	.153	.137	.118	4000	.071
81-GR321BD72E223KW3L	GR321BD72E223KW03L	0805	0.022	250	2.0 x 1.25 x 1.25	.22	.158	.142	.121	3000	.073
81-GR331AD72W103KW1D	GR331AD72W103KW01D	1206	0.010	450	3.2 x 1.6 x 1.0	.26	.187	.168	.144	4000	.086
81-GR331BD72J103KW1L	GR331BD72J103KW01L	1206	0.010	630	3.2 x 1.6 x 1.25	.27	.193	.173	.148	3000	.089
81-GR331AD72W153KW1D	GR331AD72W153KW01D	1206	0.015	450	3.2 x 1.6 x 1.0	.26	.187	.168	.144	4000	.086
81-GR331CD72J153KW3L	GR331CD72J153KW03L	1206	0.015	630	3.2 x 1.6 x 1.6	.26	.178	.166	.145	2000	.09
81-GR331BD72W223KW1L	GR331BD72W223KW01L	1206	0.022	450	3.2 x 1.6 x 1.25	.27	.193	.173	.148	3000	.089
81-GR331AD72E333KW1D	GR331AD72E333KW01D	1206	0.033	250	3.2 x 1.6 x 1.0	.26	.187	.168	.144	4000	.086
81-GR331BD72W333KW1L	GR331BD72W333KW01L	1206	0.033	450	3.2 x 1.6 x 1.25	.25	.177	.164	.144	3000	.086
81-GR331BD72E473KW1L	GR331BD72E473KW01L	1206	0.047	250	3.2 x 1.6 x 1.25	.28	.197	.183	.16	3000	.096
81-GR331CD72W473KW3L	GR331CD72W473KW03L	1206	0.047	450	3.2 x 1.6 x 1.6	.28	.197	.183	.16	2000	.101
81-GR331CD72E683KW3L	GR331CD72E683KW03L	1206	0.068	250	3.2 x 1.6 x 1.6	.46	.32	.297	.261	2000	.165
81-GR332DD72W683KW1L	GR332DD72W683KW01L	1210	0.068	450	3.2 x 2.5 x 2.0	.86	.624	.576	.499	1000	.326
81-GR332QD72J223KW1L	GR332QD72J223KW01L	1210	0.022	630	3.2 x 2.5 x 1.5	.58	.417	.385	.334	2000	.218
81-GR332DD72J333KW1L	GR332DD72J333KW01L	1210	0.033	630	3.2 x 2.5 x 2.0	.61	.443	.408	.354	1000	.232
81-GR332DD72J473KW1L	GR332DD72J473KW01L	1210	0.047	630	3.2 x 2.5 x 2.0	.84	.604	.558	.483	1000	.316
81-GR332QD72E104KW1L	GR332QD72E104KW01L	1210	0.10	250	3.2 x 2.5 x 1.5	.53	.385	.355	.308	2000	.201
81-GR332DD72W104KW1L	GR332DD72W104KW01L	1210	0.10	450	3.2 x 2.5 x 2.0	.90	.649	.599	.519	1000	.339
81-GR332DD72E154KW1L	GR332DD72E154KW01L	1210	0.15	250	3.2 x 2.5 x 2.0	.93	.673	.621	.539	1000	.352
81-GR343DD72J683KW1L	GR343DD72J683KW01L	1812	0.068	630	4.5 x 3.2 x 2.0	1.04	.777	.738	.596	1000	.415
81-GR343DD72W154KW1L	GR343DD72W154KW01L	1812	0.15	450	4.5 x 3.2 x 2.0	1.08	.806	.766	.618	1000	.43
81-GR343QD72E224KW1L	GR343QD72E224KW01L	1812	0.22	250	4.5 x 3.2 x 1.5	.93	.673	.621	.539	2000	.332
81-GR343DD72E334KW1L	GR343DD72E334KW01L	1812	0.33	250	4.5 x 3.2 x 2.0	1.59	1.19	1.13	.914	1000	.636
81-GR355DD72E684KW1L	GR355DD72E684KW01L	2220	0.068	250	5.7 x 5.0 x 2.0	2.06	1.56	1.42	1.20	1000	.851
81-GR355DD72J154KW1L	GR355DD72J154KW01L	2220	0.15	630	5.7 x 5.0 x 2.0	1.97	1.49	1.36	1.15	1000	.815
81-GR355DD72W224KW1L	GR355DD72W224KW01L	2220	0.22	450	5.7 x 5.0 x 2.0	2.27	1.78	1.57	1.33	1000	.94
81-GR355XD72J224KW5L	GR355XD72J224KW05L	2220	0.22	630	5.7 x 5.0	2.67	2.02	1.85	1.21	500	1.21
81-GR355XD72J274KW5L	GR355XD72J274KW05L	2220	0.27	630	5.7 x 5.0	2.67	2.02	1.85	1.21	500	1.21
81-GR355DD72W334KW1L	GR355DD72W334KW01L	2220	0.33	450	5.7 x 5.0 x 2.0	2.27	1.72	1.57	1.33	1000	.94
81-GR355DD72E474KW1L	GR355DD72E474KW01L	2220	0.47	250	5.7 x 5.0 x 2.0	1.96	1.46	1.39	1.12	1000	.783
81-GR355DD72W474KW1L	GR355DD72W474KW01L	2220	0.47	450	5.7 x 5.0 x 2.0	2.28	1.73	1.58	1.33	1000	.943
81-GR355XD72W564KW5L	GR355XD72W564KW05L	2220	0.56	450	5.7 x 5.0	2.67	2.02	1.85	1.21	500	1.21
81-GR355DD72J104KW1L	GR355DD72J104KW01L	2220	1.0	630	5.7 x 5.0 x 2.0	1.97	1.49	1.36	1.15	1000	.815
81-GR355XD72E105KW5L	GR355XD72E105KW05L	2220	1.0	250	5.7 x 5.0	2.58	1.95	1.78	1.16	500	1.16

RDE SERIES RADIAL LEADED TYPE MONOLITHIC CERAMIC CAPACITORS

- Features:**
- Operating Temperature Range X7T: -55°C to +125°C
 - Tolerance: 10%
 - LLead Spacing: 0.5



Coated with Epoxy resin



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (uF)	Voltage	Dimensions	Price Per Piece				Reel Qty.	Price Per Piece
					1	50	100	500		
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81-GR321AD72E153KW1D	GR321AD72E153KW01D	0.015	250	2.0 x 1.25 x 1.0	.22	.153	.137	.118	4000	.071
81-GR321BD72E223KW3L	GR321BD72E223KW03L	0.022	250	2.0 x 1.25 x 1.25	.22	.158	.142	.121	3000	.073
81-GR331AD72W103KW1D	GR331AD72W103KW01D	0.010	450	3.2 x 1.6 x 1.0	.26	.187	.168	.144	4000	.086
81-GR331BD72J103KW1L	GR331BD72J103KW01L	0.010	630	3.2 x 1.6 x 1.25	.27	.193	.173	.148	3000	.089
81-GR331AD72W153KW1D	GR331AD72W153KW01D	0.015	450	3.2 x 1.6 x 1.0	.26	.187	.168	.144	4000	.086
81-GR331CD72J153KW3L	GR331CD72J153KW03L	0.015	630	3.2 x 1.6 x 1.6	.26	.178	.166	.145	2000	.09
81-GR331BD72W223KW1L	GR331BD72W223KW01L	0.022	450	3.2 x 1.6 x 1.25	.27	.193	.173	.148	3000	.089
81-GR331AD72E333KW1D	GR331AD72E333KW01D	0.033	250	3.2 x 1.6 x 1.0	.26	.187	.168	.144	4000	.086
81-GR331BD72W333KW1L	GR331BD72W333KW01L	0.033	450	3.2 x 1.6 x 1.25	.25	.177	.164	.144	3000	.086
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81-GR331CD72E683KW3L	GR331CD72E683KW03L	0.068	250	3.2 x 1.6 x 1.6	.46	.32	.297	.261	2000	.165
81-GR332DD72W683KW1L	GR332DD72W683KW01L	0.068	450	3.2 x 2.5 x 2.0	.86	.624	.576	.499	1000	.326
81-GR332QD72J223KW1L	GR332QD72J223KW01L	0.022	630	3.2 x 2.5 x 1.5	.58	.417	.385	.334	2000	.218
81-GR332DD72J333KW1L	GR332DD72J333KW01L	0.033	630	3.2 x 2.5 x 2.0	.61	.443	.408	.354	1000	.232
81-GR332DD72J473KW1L	GR332DD72J473KW01L	0.047	630	3.2 x 2.5 x 2.0	.84	.604	.558	.483	1000	.316
81-GR332QD72E104KW1L	GR332QD72E104KW01L	0.10	250	3.2 x 2.5 x 1.5	.53	.385	.355	.308	2000	.201
81-GR332DD72W104KW1L	GR332DD72W104KW01L	0.10	450	3.2 x 2.5 x 2.0	.90	.649	.599	.519	1000	.339
81-GR332DD72E154KW1L	GR332DD72E154KW01L	0.15	250	3.2 x 2.5 x 2.0	.93	.673	.621	.539	1000	.352
81-GR343DD72J683KW1L	GR343DD72J683KW01L	0.068	630	4.5 x 3.2 x 2.0	1.04	.777	.738	.596	1000	.415
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81-GR343QD72E224KW1L	GR343QD72E224KW01L	0.22	250	4.5 x 3.2 x 1.5	.93	.673	.621	.539	2000	.332
81-GR343DD72E334KW1L	GR343DD72E334KW01L	0.33	250	4.5 x 3.2 x 2.0	1.59	1.19	1.13	.914	1000	.636
81-GR355DD72E684KW1L	GR355DD72E684KW01L	0.068	250	5.7 x 5.0 x 2.0	2.06	1.56	1.42	1.20	1000	.851
81-GR355DD72J154KW1L	GR355DD72J154KW01L	0.15	630	5.7 x 5.0 x 2.0	1.97	1.49	1.36	1.15	1000	.815
81-GR355DD72W224KW1L	GR355DD72W224KW01L	0.22	450	5.7 x 5.0 x 2.0	2.27	1.78	1.57	1.33	1000	.94
81-GR355XD72J224KW5L	GR355XD72J224KW05L	0.22	630	5.7 x 5.0	2.67	2.02	1.85	1.21	500	1.21
81-GR355XD72J274KW5L	GR355XD72J274KW05L	0.27	630	5.7 x 5.0	2.67	2.02	1.85	1.21	500	1.21
81-GR355DD72W334KW1L	GR355DD72W334KW01L	0.33	450	5.7 x 5.0 x 2.0	2.27	1.72	1.57	1.33	1000	.94
81-GR355DD72E474KW1L	GR355DD72E474KW01L	0.47	250	5.7 x 5.0 x 2.0	1.96	1.46	1.39	1.12	1000	.783
81-GR355DD72W474KW1L	GR355DD72W474KW01L	0.47	450	5.7 x 5.0 x 2.0	2.28	1.73	1.58	1.33	1000	.943
81-GR355XD72W564KW5L	GR355XD72W564KW05L	0.56	450	5.7 x 5.0	2.67	2.02	1.85	1.21	500	1.21
81-GR355DD72J104KW1L	GR355DD72J104KW01L	1.0	630	5.7 x 5.0 x 2.0	1.97	1.49	1.36	1.15	1000	.815
81-GR355XD72E105KW5L	GR355XD72E105KW05L	1.0	250	5.7 x 5.0	2.58	1.95	1.78	1.16	500	1.16