

MURATA Multilayer Ceramic Chip Capacitors



CERAMIC CHIP CAPACITORS

This product is RoHS compliant.



Features:

- COG (NP0), X5R, X7R, Y5V, and Z5U dielectrics
- 6.3, 10, 16, 25, 50, and 100 Volts
- Available tolerances: $\pm 25\text{pF}$, $\pm 5\text{pF}$, $\pm 1\text{pF}$, 1%, 2%, 5%, 10%, 20%, +80/-20%
- Nickel barrier termination standard-highly resistant to metal migration
- No polarity
- For assistance with global part numbers, please contact a Mouser representative

DIMENSIONS: mm						
Part No.	Case	L	W	T (max)	e	g min.
GRM155	0402	1.0 ± 0.05	0.5 ± 0.05	0.5 ± 0.05	0.15 to 0.3	0.4
GRM188	0603	1.6 ± 0.1	0.8 ± 0.1	0.8 ± 0.1	0.2 to 0.5	0.5

Murata Ceramic Caps, SMD

Style 0402

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: COG								
81-GRM36C0R5C50	GRM1555C1HR50CZ01D	0.5	50	0.25pF	.09	.011	10000	.004
81-GRM36C010B50	GRM1555C1H1R0BZ01D	1	50	0.1pF	.10	.028	10000	.006
81-GRM36C1R5C50	GRM1555C1H1R5CZ01D	1.5	50	0.25pF	.09	.011	10000	.004
81-GRM36C1H1R8CZ01	GRM1555C1H1R8CZ01D	1.8	50	0.25pF	.09	.011	10000	.004
81-GRM36C020C50	GRM1555C1H2R0CZ01D	2	50	0.25pF	.09	.011	10000	.004
81-GRM36C2R7C50	GRM1555C1H2R7CZ01D	2.7	50	0.25pF	.09	.011	10000	.004
81-GRM36C2R7B50	GRM1555C1H2R7BZ01D	2.7	50	0.1pF	.10	.028	10000	.006
81-GRM36C030C50	GRM1555C1H3R0CZ01D	3	50	0.25pF	.09	.011	10000	.004
81-GRM36C3R3C50	GRM1555C1H3R3CZ01D	3.3	50	0.25pF	.09	.011	10000	.004
81-GRM36C3R9C50	GRM1555C1H3R9CZ01D	3.9	50	0.25pF	.09	.011	10000	.004
81-GRM36C4R7C50	GRM1555C1H4R7CZ01D	4.7	50	0.25pF	.09	.011	10000	.004
81-GRM1555C1H100JZ01	GRM1555C1H100JZ01D	10	50	5%	.09	.011	10000	.004
81-GRM36C120J50	GRM1555C1H120JZ01D	12	50	5%	.09	.011	10000	.004
81-GRM36C150J50	GRM1555C1H150JZ01D	15	50	5%	.09	.011	10000	.004
81-GRM36C180J50	GRM1555C1H180JZ01D	18	50	5%	.09	.011	10000	.004
81-GRM36C220J50	GRM1555C1H220JZ01D	22	50	5%	.09	.011	10000	.004
81-GRM36C330J50	GRM1555C1H330JZ01D	33	50	5%	.09	.011	10000	.004
81-GRM36C470J50	GRM1555C1H470JZ01D	47	50	5%	.09	.011	10000	.004
81-GRM1555C1H121JA01	GRM1555C1H121JA01D	120	50	5%	.10	.023	10000	.005
81-GRM1555C1H151JA01	GRM1555C1H151JA01D	150	50	5%	.09	.012	10000	.004
81-GRM1555C1H471JA01	GRM1555C1H471JA01D	470	50	5%	.10	.023	10000	.009
81-GRM36C221J50	GRM155R71H221JA01D	220	50	5%	.10	.023	10000	.005

Style 0402 (Cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: X5R (Cont.)								
81-GRM155R61A684KE5D	GRM155R61A684KE15D	.68uF	10	10%	.14	.076	10000	.018
Temperature Coefficient: Y5V								
81-GRM36Y104Z16	GRM155F51C104ZA01D	.1uF	16	+80,-20	.09	.011	10000	.004
81-GRM36Y224Z10	GRM155F51A224ZE01D	.22uF	10	+80,-20	.25	.113	10000	.024
81-GRM155F51A474ZE01	GRM155F51A474ZE01D	.47uF	10	+80,-20	.10	.021	10000	.007

Style 0603

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: COG								
81-GRM39C0R5C50	GRM1885C1HR50CZ01D	0.5	50	.25pF	.10	.021	4000	.011
81-GRM1885C1H1R0BZ	GRM1885C1H1R0BZ01D	1	50	0.1pF	.10	.036	4000	.02
81-GRM39C1R2B50	GRM1885C1H1R2BZ01D	1.2	50	0.1pF	.10	.036	4000	.02
81-GRM39C20C50	GRM1885C1H2R0CZ01D	2	50	.25pF	.10	.021	4000	.011
81-GRM39C2R2B50	GRM1885C1H2R2BZ01D	2.2	50	0.1pF	.10	.036	4000	.02
81-GRM39C3R9B50	GRM1885C1H3R9BZ01D	3.9	50	0.1pF	.10	.036	4000	.02
81-GRM39C4R7C50	GRM1885C1H4R7CZ01D	4.7	50	.25pF	.10	.021	4000	.011
81-GRM1885C1H5R0CZ01D	GRM1885C1H5R0CZ01D	5	50	.25pF	.10	.021	4000	.011
81-GRM39C5R6C50	GRM1885C1H5R6CZ01D	5.6	50	.25pF	.10	.033	4000	.011
81-GRM1885C1H6R8CZ01	GRM1885C1H6R8CZ01D	6.8	50	.25pF	.10	.033	4000	.011
81-GRM39C8R2C50	GRM1885C1H8R2CZ01D	8.2	50	.25pF	.10	.033	4000	.011
81-GRM39C100D50	GRM1885C1H100JA01D	10	50	5%	.10	.021	4000	.008
81-GRM39C120J50	GRM1885C1H120JA01D	12	50	5%	.10	.021	4000	.008
81-GRM39C150J50	GRM1885C1H150JA01D	15	50	5%	.10	.021	4000	.008
81-GRM39C180J50	GRM1885C1H180JA01D	18	50	5%	.10	.021	4000	.008
81-GRM39C200J50	GRM1885C1H200JA01D	20	50	5%	.10	.021	4000	.009
81-GRM39C220J50	GRM1885C1H220JA01D	22	50	5%	.10	.021	4000	.008
81-GRM1885C2A220JA01	GRM1885C2A220JA01D	22	100	5%	.15	.038	4000	.01
81-GRM1885C1H270JA01	GRM1885C1H270JA01D	27	50	5%	.10	.021	4000	.008
81-GRM39C30J50	GRM1885C1H30JA01D	33	50	5%	.10	.021	4000	.008
81-GRM39C30J50	GRM1885C1H30JA01D	36	50	5%	.10	.021	4000	.009
81-GRM39C470J50	GRM1885C1H470JA01D	47	50	5%	.10	.021	4000	.008
81-GRM39C680J50	GRM1885C1H680JA01D	68	50	5%	.10	.021	4000	.008
81-GRM39C101J50	GRM1885C1H101JA01D	100	50	5%	.10	.021	4000	.011
81-GRM39C121J50	GRM1885C1H121JA01D	120	50	5%	.10	.031	4000	.013
81-GRM39C151J50	GRM1885C1H151JA01D	150	50	5%	.07	.025	4000	.009
81-GRM39C221J050	GRM1885C1H221JA01D	220	50	5%	.10	.024	4000	.008
81-GRM39C271J50	GRM1885C1H271JA01D	270	50	5%	.10	.033	4000	.011
81-GRM39C31J50	GRM1885C1H31JA01D	330	50	5%	.10	.038	4000	.01
81-GRM39C471J50	GRM1885C1H471JA01D	470	50	5%	.10	.04	4000	.01
81-GRM39C681J50	GRM1885C1H681JA01D	680	50	5%	.10	.032	4000	.013
81-GRM39C102J50	GRM1885C1H102JA01D	1000	50	5%	.10	.021	4000	.009
81-GRM1885C1H152JA01	GRM1885C1H152JA01D	1500	50	5%	.10	.03	4000	.017
81-GRM1885C1H182JA01	GRM1885C1H182JA01D	1800	50	5%	.10	.033	4000	.018
81-GRM1885C1H222JA01	GRM1885C1H222JA01D	2200	50	5%	.10	.032	4000	.018

Temperature Coefficient: X7R

81-GRM39X471K50D	GRM188R71H471KA01D	470	50	10%	.10	.021	4000	.011
81-GRM39X681K50D	GRM188R71H681KA01D	680	50	10%	.10	.021	4000	.009
81-GRM39X102J50D	GRM188R71H102JA01D	1000	50	5%	.10	.028	4000	.007
81-GRM39X102K050D	GRM188R71H102KA01D	1000	50	10%	.09	.015	4000	.005
81-GRM39X223K50D	GRM188R71H223KA01D	2200	50	10%	.09	.019	4000	.006
81-GRM188R71H332KA	GRM188R71H332KA01D	3300	50	10%	.09	.027	4000	.008
81-GRM39X472K50D	GRM188R71H472KA01D	4700	50	10%	.09	.019	4000	.006
81-GRM39X103K25D	GRM188R71E103KA01D	10000	25	10%	.09	.015	4000	.005
81-GRM39X103K50D	GRM188R71H103KA01D	10000	50	10%	.09	.015	4000	.005
81-GRM39X223K50D	GRM188R71H223KA01D	22000	50	10%	.10	.026	4000	.009
81-GRM39X333K16D	GRM188R71C333KA01D	33000	16	10%	.10	.024	4000	.008
81-GRM39X333K25D	GRM188R71E333KA01D	33000	25	10%	.10	.04	4000	.01
81-GRM39X473K16D	GRM188R71H473KA01D	47000	16	10%	.10	.024	4000	.008
81-GRM39X473K25D	GRM188R71E473KA01D	47000	25	10%	.10	.026	4000	.011
81-GRM188R71H473KA61	GRM188R71H473KA61D	47000	50	10%	.10	.033	4000	.011
81-GRM39X104K16D	GRM188R71C104KA01D	0.1uF	16	10%	.10	.021	4000	.008
81-GRM39X104K25D	GRM188R71E104KA01D	0.1uF	25	10%	.15	.038	4000	.01
81-GRM39X104K50D	GRM188R71H104KA01D	0.1uF	50	10%	.09	.03	4000	.009
81-GRM39X224K10D	GRM188R71A224KA01D	.22uF	10	10%	.10	.038	4000	.02
81-GRM188R71C224KA01	GRM188R71C224KA01D	.22uF	16	10%	.10	.038	4000	.016