

MURATA Multilayer Ceramic Chip Capacitors



CERAMIC CHIP CAPACITORS

RoHS Compliant 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: C0G								
81-GRM36C0R5C50	GRM1555C1HR50CZ01D	0.5	50	0.25pF			10000	
81-GRM36C010B50	GRM1555C1H1R0BZ01D	1	50	0.1pF			10000	
81-GRM36C1R5C50	GRM1555C1H1R5CZ01D	1.5	50	0.25pF			10000	
81-GRM1555C1H1R8CZ01	GRM1555C1H1R8CZ01D	1.8	50	0.25pF			10000	
81-GRM36C020C50	GRM1555C1H2R0CZ01D	2	50	0.25pF			10000	
81-GRM36C2R7C50	GRM1555C1H2R7CZ01D	2.7	50	0.25pF			10000	
81-GRM36C2R7B50	GRM1555C1H2R7BZ01D	2.7	50	0.1pF			10000	
81-GRM36C030C50	GRM1555C1H3R0CZ01D	3	50	0.25pF			10000	
81-GRM36C3R3C50	GRM1555C1H3R3CZ01D	3.3	50	0.25pF			10000	
81-GRM36C3R9C50	GRM1555C1H3R9CZ01D	3.9	50	0.25pF			10000	
81-GRM36C4R7C50	GRM1555C1H4R7CZ01D	4.7	50	0.25pF			10000	
81-GRM1555C1H100JZ01	GRM1555C1H100JZ01D	10	50	5%			10000	
81-GRM36C120J50	GRM1555C1H120JZ01D	12	50	5%			10000	
81-GRM36C150J50	GRM1555C1H150JZ01D	15	50	5%			10000	
81-GRM36C180J50	GRM1555C1H180JZ01D	18	50	5%			10000	
81-GRM36C220J50	GRM1555C1H220JZ01D	22	50	5%			10000	
81-GRM36C330J50	GRM1555C1H330JZ01D	33	50	5%			10000	
81-GRM36C470J50	GRM1555C1H470JZ01D	47	50	5%			10000	
81-GRM36C560J50	GRM1555C1H560JZ01D	56	50	5%			10000	
81-GRM1555C1H680JD01	GRM1555C1H680JD01D	68	50	5%			10000	
81-GRM1555C1H121JA01	GRM1555C1H121JA01D	120	50	5%			10000	
81-GRM1555C1H151JA01	GRM1555C1H151JA01D	150	50	5%			10000	
81-GRM1555C1H471JA01	GRM1555C1H471JA01D	470	50	5%			10000	
81-GRM36X221J50	GRM155R71H221JA01D	220	50	5%			10000	

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-GRM155R60J684KE1D	GRM155R60J684KE01D	.68µF	6.3	10%			10000	
81-GRM155R61A684KE5D	GRM155R61A684KE15D	.68µF	10	10%			10000	
Temperature Coefficient: Y5V								
81-GRM36Y104Z16	GRM155F51C104ZA01D	.1µF	16	+80,-20			10000	
81-GRM36Y224Z10	GRM155F51A224ZE01D	.22µF	10	+80,-20			10000	
81-GRM155F51A474ZE01	GRM155F51A474ZE01D	.47µF	10	+80,-20			10000	

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: C0G								
81-GRM39C0R5C50	GRM1885C1HR50CZ01D	0.5	50	.25pF			4000	
81-GRM1885C1H1R0BZ	GRM1885C1H1R0BZ01D	1	50	0.1pF			4000	
81-GRM39C1R2B50	GRM1885C1H1R2BZ01D	1.2	50	0.1pF			4000	
81-GRM39C020C50	GRM1885C1H2R0CZ01D	2	50	.25pF			4000	
81-GRM39C2R2B50	GRM1885C1H2R2BZ01D	2.2	50	0.1pF			4000	
81-GRM39C3R9B50	GRM1885C1H3R9BZ01D	3.9	50	0.1pF			4000	
81-GRM39C4R7C50	GRM1885C1H4R7CZ01D	4.7	50	.25pF			4000	
81-GRM1885C1H5R0CZ01D	GRM1885C1H5R0CZ01D	5	50	.25pF			4000	
81-GRM39C5R6C50	GRM1885C1H5R6CZ01D	5.6	50	.25pF			4000	
81-GRM1885C1H6R8CZ01	GRM1885C1H6R8CZ01D	6.8	50	.25pF			4000	
81-GRM39C8R2C50	GRM1885C1H8R2CZ01D	8.2	50	.25pF			4000	
81-GRM39C100D50	GRM1885C1H100JA01D	10	50	5%			4000	
81-GRM39C120J50	GRM1885C1H120JA01D	12	50	5%			4000	
81-GRM39C150J50	GRM1885C1H150JA01D	15	50	5%			4000	
81-GRM39C180J50	GRM1885C1H180JA01D	18	50	5%			4000	
81-GRM39C200J50	GRM1885C1H200JA01D	20	50	5%			4000	
81-GRM39C220J50	GRM1885C1H220JA01D	22	50	5%			4000	
81-GRM1885C2A220JA01	GRM1885C2A220JA01D	22	100	5%			4000	
81-GRM1885C1H270JA01	GRM1885C1H270JA01D	27	50	5%			4000	
81-GRM39C330J50	GRM1885C1H330JA01D	33	50	5%			4000	
81-GRM39C360J50	GRM1885C1H360JA01D	36	50	5%			4000	
81-GRM39C470J50	GRM1885C1H470JA01D	47	50	5%			4000	
81-GRM39C680J50	GRM1885C1H680JA01D	68	50	5%			4000	
81-GRM39C101J50	GRM1885C1H101JA01D	100	50	5%			4000	
81-GRM39C121J50	GRM1885C1H121JA01D	120	50	5%			4000	
81-GRM39C151J50	GRM1885C1H151JA01D	150	50	5%			4000	
81-GRM39C221J050	GRM1885C1H221JA01D	220	50	5%			4000	
81-GRM39C271J50	GRM1885C1H271JA01D	270	50	5%			4000	
81-GRM39C331J50	GRM1885C1H331JA01D	330	50	5%			4000	
81-GRM39C471J50	GRM1885C1H471JA01D	470	50	5%			4000	
81-GRM39C681J50	GRM1885C1H681JA01D	680	50	5%			4000	
81-GRM39C102J50	GRM1885C1H102JA01D	1000	50	5%			4000	
81-GRM1885C1H152JA01	GRM1885C1H152JA01D	1500	50	5%			4000	
81-GRM1885C1H182JA01	GRM1885C1H182JA01D	1800	50	5%			4000	
81-GRM1885C1H222JA01	GRM1885C1H222JA01D	2200	50	5%			4000	
Temperature Coefficient: X7R								
81-GRM39X471K50D	GRM188R71H471KA01D	470	50	10%			4000	
81-GRM39X681K50D	GRM188R71H681KA01D	680	50	10%			4000	
81-GRM39X102J50D	GRM188R71H102JA01D	1000	50	5%			4000	
81-GRM39X102K05D	GRM188R71H102KA01D	1000	50	10%			4000	
81-GRM39X222K50D	GRM188R71H222KA01D	2200	50	10%			4000	
81-GRM188R71H332KA	GRM188R71H332KA01D	3300	50	10%			4000	
81-GRM39X472K25D	GRM188R71H472KA01D	4700	50	10%			4000	
81-GRM39X103K25D	GRM188R71E103KA01D	10000	25	10%			4000	
81-GRM39X103K50D	GRM188R71H103KA01D	10000	50	10%			4000	
81-GRM39X223K50D	GRM188R71H223KA01D	22000	50	10%			4000	
81-GRM39X333K16D	GRM188R71C333KA01D	33000	16	10%			4000	
81-GRM39X333K25D	GRM188R71E333KA01D	33000	25	10%			4000	
81-GRM39X473K16D	GRM188R71C473KA01D	47000	16	10%			4000	
81-GRM39X473K25D	GRM188R71E473KA01D	47000	25	10%			4000	
81-GRM188R71H473KA61	GRM188R71H473KA61D	47000	50	10%			4000	
81-GRM39X104K16	GRM188R71C104KA01D	0.1µF	16	10%			4000	
81-GRM39X104K25	GRM188R71E104KA01D	0.1µF	25	10%			4000	
81-GRM39X104K50D	GRM188R71H104KA93D	0.1µF	50	10%			4000	
81-GRM39X224K10D	GRM188R71A224KA01D	.22µF	10	10%			4000	
81-GRM188R71C224KA01	GRM188R71C224KA01D	.22µF	16	10%			4000	

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coefficient: X7R								
81-GRM155R71H221KA01	GRM155R71H221KA01D	220	50	10%			10000	
81-GRM155R72A221KA1D	GRM155R72A221KA1D	220	100	10%			10000	
81-GRM36X331K50	GRM155R71H331KA01D	330	50	10%			10000	
81-GRM155R72A331KA1D	GRM155R72A331KA01D	330	100	10%			10000	
81-GRM36X471K50	GRM155R71H471KA01D	470	50	10%			10000	
81-GRM155R72A471KA1D	GRM155R72A471KA01D	470	100	10%			10000	
81-GRM155R71H681KA01D	GRM155R71H681KA01D	680	50	10%			10000	
81-GRM155R72A681KA1D	GRM155R72A681KA01D	680	100	10%			10000	
81-GRM36X102K50	GRM155R71H102KA01D	1000	50	10%			10000	
81-GRM155R72A102KA1D	GRM155R72A102KA01D	1000	100	10%			10000	
81-GRM36X152K50	GRM155R71H152KA01D	1500	50	10%			10000	
81-GRM155R72A152KA1D	GRM155R72A152KA01D	1500	100	10%			10000	
81-GRM36X222K50	GRM155R71H222KA01D	2200	50	10%			10000	
81-GRM155R72A222KA1D	GRM155R72A222KA01D	2200	100	10%			10000	
81-GRM36X332K50	GRM155R71H332KA01D	3300	50	10%			10000	
81-GRM155R72A332KA1D	GRM155R72A332KA01D	3300	100	10%			10000	
81-GRM36X472K25	GRM155R71E472KA01D	4700	25	10%			10000	
81-GRM155R71H472KA01	GRM155R71H472KA01D	4700	50	10%			10000	
81-GRM155R72A472KA01	GRM155R72A472KA01D	4700	100	10%			10000	
81-GRM155R71E682KA01D	GRM155R71E682KA01D	6800	25	10%			10000	
81-GRM155R71H682KA8D	GRM155R71H682KA88D	6800	50	10%			10000	
81-GRM36X103K16	GRM155R71E103KA01D	.01µF	16	10%			10000	
81-GRM36X103K25	GRM155R71E103KA01D	.01µF	25	10%			10000	
81-GRM155R71H103KA8D	GRM155R71H103KA88D	.01µF	50	10%			10000	
81-GRM155R71C153KA1D	GRM155R71C153KA01D	.015µF	16	10%			10000	
81-GRM155R71E153KA6D	GRM155R71E153KA61D	.015µF	25	10%			10000	
81-GRM155R71H153KA2D	GRM155R71H153KA12D	.015µF	50	10%			10000	
81-GRM155R71C223KA01	GRM155R71C223KA01D	.022µF	16	10%			10000	