

MURATA High Frequency Ceramic Chip Capacitors



QGM SERIES MULTILAYER, HIGH FREQUENCY, HIGH Q

This product is RoHS compliant.

The Murata high Q capacitors are used from 500MHz to 10GHz for handheld and cellular applications. These capacitors are made with copper electrodes for very low ESR and high Q in GHz frequencies, and high RF current handling capability. This series is offered in EIA sized 0603, 0805 and 1210, and is available in tight tolerance versions. They are RoHS Compliant.



Cross Reference			
	QGM		
Case Sizes	0603	0805	1210
ATC 650	X	X	
Johanson "S"	X		
Johanson "L"	X	X	X

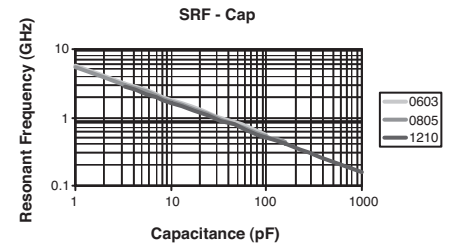
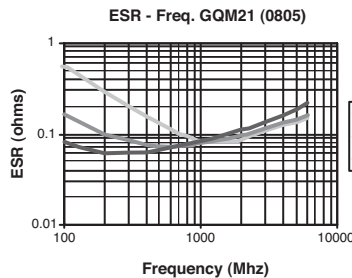
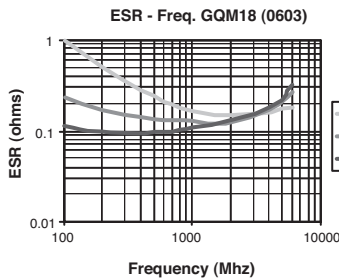
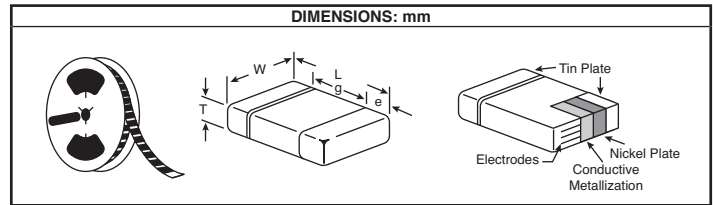
Features:

- COG Dielectric
- Low ESR
- Operating Temperature: -55°C to +125°C

Applications:

- Base Station Power Amps
- Broadcasting Equipment
- Cell Phones
- PA Modules

Part No.	L	W	T	e	g min.
GQM188	1.6±0.1	0.8±0.1	0.8±0.1	0.2 to 0.5	0.5
GQM219	2.0±0.1	1.25±0.1	0.85±0.1	0.2 to 0.7	0.7



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (pF)	Volt (DC)	Tolerance ±	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
81-GQM1885C2AR10BB01	GQM1885C2AR10BB01D	0603	0.1	100	0.1pF	.46	.329	.303	.263	4000	.162
81-GQM1885C2AR50BB01	GQM1885C2AR50BB01D	0603	0.5	100	0.1pF	.46	.329	.303	.263	4000	.162
81-GQM1885C2A1R0BB01	GQM1885C2A1R0BB01D	0603	1.0	100	0.1pF	.46	.329	.303	.263	4000	.162
81-GQM1885C2A1R2BB01	GQM1885C2A1R2BB01D	0603	1.2	100	0.1pF	.46	.329	.303	.263	4000	.162
81-GQM1885C2A1R5BB01	GQM1885C2A1R5BB01D	0603	1.5	100	0.1pF	.46	.329	.303	.263	4000	.162
81-GQM1885C2A1R8BB01	GQM1885C2A1R8BB01D	0603	1.8	100	0.1pF	.46	.329	.303	.263	4000	.162
81-GQM1885C2A2R2BB01	GQM1885C2A2R2BB01D	0603	2.2	100	0.1pF	.46	.329	.303	.263	4000	.162
81-GQM1885C2A2R7BB01	GQM1885C2A2R7BB01D	0603	2.7	100	0.1pF	.46	.329	.303	.263	4000	.162
81-GQM1885C2A3R3BB01	GQM1885C2A3R3BB01D	0603	3.3	100	0.1pF	.46	.329	.303	.263	4000	.162
81-GQM1885C2A3R9BB01	GQM1885C2A3R9BB01D	0603	3.9	100	0.1pF	.46	.329	.303	.263	4000	.162
81-GQM1885C2A4R7BB01	GQM1885C2A4R7BB01D	0603	4.7	100	0.1pF	.46	.329	.303	.263	4000	.162
81-GQM1885C2A5R1CB01	GQM1885C2A5R1CB01D	0603	5.1	100	0.25pF	.39	.273	.253	.222	4000	.133
81-GQM1885C2A6R8CB01	GQM1885C2A6R8CB01D	0603	6.8	100	0.25pF	.39	.273	.253	.222	4000	.133
81-GQM1885C1H7R5CB01	GQM1885C1H7R5CB01D	0603	7.5	50	0.25pF	.43	.30	.279	.244	4000	.146
81-GQM1885C1H8R2CB01	GQM1885C1H8R2CB01D	0603	8.2	50	0.25pF	.43	.30	.279	.244	4000	.146
81-GQM1885C1H10GB01	GQM1885C1H10GB01D	0603	10	50	2%	.50	.364	.336	.291	4000	.179
81-GQM1885C1H120GB01	GQM1885C1H120GB01D	0603	12	50	2%	.60	.67	.61	.50	4000	.239
81-GQM1885C1H150GB01	GQM1885C1H150GB01D	0603	15	50	2%	.90	.67	.61	.50	4000	.239
81-GQM1885C1H220GB01	GQM1885C1H220GB01D	0603	22	50	2%	.90	.67	.61	.50	4000	.239
81-GQM1885C1H270GB01	GQM1885C1H270GB01D	0603	27	50	2%	.90	.67	.61	.50	4000	.239
81-GQM1885C1H330GB01	GQM1885C1H330GB01D	0603	33	50	2%	.90	.67	.61	.50	4000	.239
81-GQM1885C1H390GB01	GQM1885C1H390GB01D	0603	39	50	2%	.90	.67	.61	.50	4000	.239
81-GQM1885C1H470GB01	GQM1885C1H470GB01D	0603	47	50	2%	.90	.67	.61	.50	4000	.239
81-GQM1885C1H560GB01	GQM1885C1H560GB01D	0603	56	50	2%	.90	.67	.61	.50	4000	.239
81-GQM1885C1H680GB01	GQM1885C1H680GB01D	0603	68	50	2%	.90	.67	.61	.50	4000	.239
81-GQM1885C1H820GB01	GQM1885C1H820GB01D	0603	82	50	2%	.90	.67	.61	.50	4000	.239
81-GQM1885C1H101GB01	GQM1885C1H101GB01D	0603	100	50	2%	.90	.67	.61	.50	4000	.239
81-GQM2195C2AR20BB01	GQM2195C2AR20BB01D	0805	0.2	100	0.1pF	.09	.67	.61	.50	4000	.239
81-GQM2195C2AR50BB01	GQM2195C2AR50BB01D	0805	0.5	100	0.1pF	1.09	.625	.547	.398	4000	.184
81-GQM2195C2A1R0BB01	GQM2195C2A1R0BB01D	0805	1.0	100	0.1pF	1.09	.625	.547	.398	4000	.184
81-GQM2195C2A1R2BB01	GQM2195C2A1R2BB01D	0805	1.2	100	0.1pF	1.09	.625	.547	.398	4000	.184
81-GQM2195C2A1R5BB01	GQM2195C2A1R5BB01D	0805	1.5	100	0.1pF	1.09	.625	.547	.398	4000	.184
81-GQM2195C2A1R8BB01	GQM2195C2A1R8BB01D	0805	1.8	100	0.1pF	1.09	.625	.547	.398	4000	.184
81-GQM2195C2A2R2BB01	GQM2195C2A2R2BB01D	0805	2.2	100	0.1pF	1.09	.625	.547	.398	4000	.184
81-GQM2195C2A2R7BB01	GQM2195C2A2R7BB01D	0805	2.7	100	0.1pF	1.09	.625	.547	.398	4000	.184
81-GQM2195C2A3R3BB01	GQM2195C2A3R3BB01D	0805	3.3	100	0.1pF	1.09	.625	.547	.398	4000	.184
81-GQM2195C2A3R9BB01	GQM2195C2A3R9BB01D	0805	3.9	100	0.1pF	1.09	.625	.547	.398	4000	.184
81-GQM2195C2A4R7BB01	GQM2195C2A4R7BB01D	0805	4.7	100	0.1pF	1.09	.625	.547	.398	4000	.184
81-GQM2195C2A5R1CB01	GQM2195C2A5R1CB01D	0805	5.1	100	0.25pF	.46	.329	.303	.263	4000	.162
81-GQM2195C2A6R8CB01	GQM2195C2A6R8CB01D	0805	6.8	100	0.25pF	.46	.329	.303	.263	4000	.162
81-GQM2195C2A7R5CB01	GQM2195C2A7R5CB01D	0805	7.5	100	0.25pF	.50	.364	.336	.291	4000	.179
81-GQM2195C2A8R2CB01	GQM2195C2A8R2CB01D	0805	8.2	100	0.25pF	.50	.364	.336	.291	4000	.179
81-GQM2195C2A100GB01	GQM2195C2A100GB01D	0805	10	100	2%	.65	.472	.436	.378	4000	.233
81-GQM2195C2A120GB01	GQM2195C2A120GB01D	0805	12	100	2%	1.23	.86	.75	.61	4000	.406
81-GQM2195C2A150GB01	GQM2195C2A150GB01D	0805	15	100	2%	1.23	.86	.75	.61	4000	.406
81-GQM2195C1H220GB01	GQM2195C1H220GB01D	0805	22	50	2%	1.23	.86	.75	.61	4000	.406
81-GQM2195C1H270GB01	GQM2195C1H270GB01D	0805	27	50	2%	1.23	.86	.75	.61	4000	.406
81-GQM2195C1H330GB01	GQM2195C1H330GB01D	0805	33	50	2%	1.23	.86	.75	.61	4000	.406
81-GQM2195C1H470GB01	GQM2195C1H470GB01D	0805	47	50	2%	1.58	1.15	1.07	.926	4000	.565
81-GQM2195C1H101GB01	GQM2195C1H101GB01D	0805	100	50	2%	1.58	1.15	1.07	.926	4000	.565