

MURATA High Frequency Ceramic Chip Capacitors



ERB SERIES MULTILAYER, HIGH FREQUENCY, HIGH Q

ERB SERIES: Murata high Q capacitors come with higher Q and lower ESR - better than standard products of equivalent packages. They offer low ESR in the 1 MHz to 1 GHz frequency range. The ERB series of capacitors are designed with precious metal inner electrodes. These surface mount capacitors are available in voltages up to 500V. They are RoHS compliant.

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



RoHS Compliant

Industry	Application
Communication Equipment	Base Station
	Bluetooth Modules
	PC Modules
Wireless	Cell Phones
	Wireless Handhelds
Security	Remote Keyless Entry
	Wireless LAN

DIMENSIONS: mm

Part No.	L	W	T	e	g min.
ERB188	1.6 ±0.1	0.8 ±0.1	0.9 max	0.2	0.5
ERB21B	2.0 ±0.3	1.25 ±0.3	1.25 ±0.2	0.25 min	0.7
ERB32Q	3.2 ±0.3	2.5 ±0.3	1.7 max	0.3 min	1.0

Cross Reference			
Case Sizes	0603	0805	1210
ATC 600	X	X	
ATC 650		X	X
Johanson "C"	X	X	X

Ceramic Caps, SMD

Murata

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

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-ERB1885C2D3R9BDX1D	ERB1885C2D3R9BDX1D	0603	3.9	200	.1pF					4000	
81-ERB188C2D4R3CDX1D	ERB1885C2D4R3CDX1D	0603	4.3	200	.25pF					4000	
81-ERB188C2D4R7BDX1D	ERB1885C2D4R7BDX1D	0603	4.7	200	.1pF					4000	
81-ERB188C2D5R1CDX1D	ERB1885C2D5R1CDX1D	0603	5.1	200	.25pF					4000	
81-ERB188C2D6R2CDX1D	ERB1885C2D6R2CDX1D	0603	6.2	200	.25pF					4000	
81-ERB1885C2D6R8CDX1D	ERB1885C2D6R8CDX1D	0603	6.8	200	.25pF					4000	
81-ERB21B5C2D1R0CDX1	ERB21B5C2D1R0CDX1L	0805	1.0	200	.25pF					3000	
81-ERB21B5C2D1R2CL	ERB21B5C2D1R2CDX1L	0805	1.2	200	.25pF					3000	
81-ERB21B5C2D1R6CL	ERB21B5C2D1R6CDX1L	0805	1.6	200	.25pF					3000	
81-ERB21B5C2D1R8CL	ERB21B5C2D1R8CDX1L	0805	1.8	200	.25pF					3000	
81-ERB21B5C2D2R0CL	ERB21B5C2D2R0CDX1L	0805	2.0	200	.25pF					3000	
81-ERB21B5C2D3R0CDXL	ERB21B5C2D3R0CDX1L	0805	3.0	200	.25pF					3000	
81-ERB21BC2D3R3CDX1L	ERB21B5C2D3R3CDX1L	0805	3.3	200	.25pF					3000	
81-ERB21B5C2D3R6CL	ERB21B5C2D3R6CDX1L	0805	3.6	200	.25pF					3000	
81-ERB21BC2D3R9CDX1L	ERB21B5C2D3R9CDX1L	0805	3.9	200	.25pF					3000	
81-ERB21BC2D5R1CDX1L	ERB21B5C2D5R1CDX1L	0805	5.1	200	.25pF					3000	
81-ERB21BC2D5R6DDX1L	ERB21B5C2D5R6DDX1L	0805	5.6	200	.5pF					3000	
81-ERB21BC2D6R2DDX1L	ERB21B5C2D6R2DDX1L	0805	6.2	200	.5pF					3000	
81-ERB21BC2D8R2DDX1L	ERB21B5C2D8R2DDX1L	0805	8.2	200	.5pF					3000	
81-ERB21BC2D100JDX1L	ERB21B5C2D100JDX1L	0805	10	200	5%					3000	
81-ERB21BC2D150JDX1L	ERB21B5C2D150JDX1L	0805	15	200	5%					3000	
81-ERB21BC2D180JDX1L	ERB21B5C2D180JDX1L	0805	18	200	5%					3000	
81-ERB21BC2D220JDX1L	ERB21B5C2D220JDX1L	0805	22	200	5%					3000	
81-ERB21BC2D390JDX1L	ERB21B5C2D390JDX1L	0805	39	200	5%					3000	
81-ERB21BC2D430JDX1L	ERB21B5C2D430JDX1L	0805	43	200	5%					3000	
81-ERB21BC2D470JDX1L	ERB21B5C2D470JDX1L	0805	47	200	5%					3000	
81-ERB21B5C2D560JDX1	ERB21B5C2D560JDX1L	0805	56	200	5%					3000	
81-ERB21BC2D620JDX1L	ERB21B5C2D620JDX1L	0805	62	200	5%					3000	
81-ERB21B5C2D680JDX1	ERB21B5C2D680JDX1L	0805	68	200	5%					3000	
81-ERB21BC2D910JDX1L	ERB21B5C2D910JDX1L	0805	91	200	5%					3000	
81-ERB21B5C2A121JDX1	ERB21B5C2A121JDX1L	0805	120	100	5%					3000	
81-ERB21B5C2A131JL	ERB21B5C2A131JDX1L	0805	130	100	5%					3000	
81-ERB21B5C2A141JL	ERB21B5C2A141JDX1L	0805	140	100	5%					3000	
81-ERB21BC1H151JDX1L	ERB21B5C1H151JDX1L	0805	150	50	5%					3000	
81-ERB32QC2H3R3CDX1L	ERB32Q5C2H3R3CDX1L	1210	3.3	500	5%					2000	
81-ERB32QC2H4R7CDX1L	ERB32Q5C2H4R7CDX1L	1210	4.7	500	5%					2000	
81-ERB32QC2H5R1CDX1L	ERB32Q5C2H5R1CDX1L	1210	5.1	500	5%					2000	
81-ERB32Q5C2H100JDX1	ERB32Q5C2H100JDX1L	1210	10	500	5%					2000	
81-ERB32QC2H120JDX1L	ERB32Q5C2H120JDX1L	1210	12	500	5%					2000	
81-ERB32Q5C2H150JDX1	ERB32Q5C2H150JDX1L	1210	15	500	5%					2000	
81-ERB32Q5C2H180JDX1	ERB32Q5C2H180JDX1L	1210	18	500	5%					2000	
81-ERB32QC2H220JDX1L	ERB32Q5C2H220JDX1L	1210	22	500	5%					2000	
81-ERB32QC2H360JDX1L	ERB32Q5C2H360JDX1L	1210	36	500	5%					2000	
81-ERB32Q5C2H390JDX1	ERB32Q5C2H390JDX1L	1210	39	500	5%					2000	
81-ERB32Q5C2H470JDXL	ERB32Q5C2H470JDX1L	1210	47	500	5%					2000	
81-ERB32QC2H560JDX1L	ERB32Q5C2H560JDX1L	1210	56	500	5%					2000	
81-ERB32QC2H680JDX1L	ERB32Q5C2H680JDX1L	1210	68	500	5%					2000	
81-ERB32QC2H101JDX1L	ERB32Q5C2H101JDX1L	1210	100	500	5%					2000	
81-ERB32QC2H121JDX1L	ERB32Q5C2H121JDX1L	1210	120	500	5%					2000	
81-ERB32QC2D221JDX1L	ERB32Q5C2D221JDX1L	1210	220	200	5%					2000	
81-ERB32Q5C2A471JDX1	ERB32Q5C2A471JDX1L	1210	470	100	5%					2000	
81-ERB32Q5C1H102JDX1	ERB32Q5C1H102JDX1L	1210	1000	50	5%					2000	