

# TDK MLCC Capacitors



RoHS compliant This product is RoHS compliant.

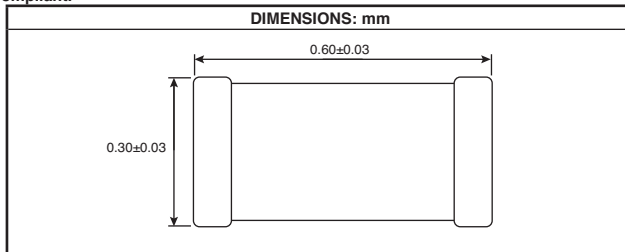
## C SERIES - HIGH Q, HIGH FREQUENCY CAPACITORS

### Features:

- Excellent attenuation
- High self-resonant frequency
- Higher Q factor than standard capacitors
- Lower power dissipation/less energy absorption
- High stability with respect to time, temperature, frequency, and voltage

### Specifications:

- 0201 Case Size
- Temperature Range: -55°C to +125°C
- Rated Voltage (DC): 25V
- Temperature Coefficient: C0G
- Capacitance range of 0.2pF to 15pF
- Available in standard and tight tolerance



### FK Series

For quantities greater than listed, call for quote.

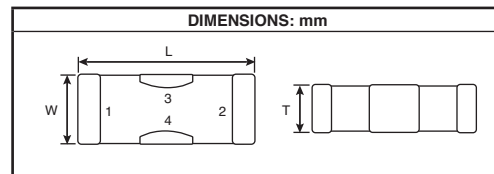
MOUSER STOCK NO.	TDK Part No.	Value (pF)	Tol. (%)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
810-C0603C0G1E0R2BTQ	C0603C0G1E0R2BTQ	0.2	0.10	.08	.04	.026	.02	15000	.013
810-C0603C0G1E0R3BTQ	C0603C0G1E0R3BTQ	0.3	0.10	.08	.04	.026	.02	15000	.013
810-C0603C0G1E0R4BTQ	C0603C0G1E0R4BTQ	0.4	0.10	.08	.04	.026	.02	15000	.013
810-C0603C0G1E0R5BTQ	C0603C0G1E0R5BTQ	0.5	0.10	.08	.04	.026	.02	15000	.013
810-C0603C0G1E0R6BTQ	C0603C0G1E0R6BTQ	0.6	0.10	.33	.088	.045	.033	15000	.021
810-C0603C0G1E0R7BTQ	C0603C0G1E0R7BTQ	0.7	0.10	.33	.088	.045	.033	15000	.021
810-C0603C0G1E0R8BTQ	C0603C0G1E0R8BTQ	0.8	0.10	.33	.088	.045	.033	15000	.021
810-C0603C0G1E0R9BTQ	C0603C0G1E0R9BTQ	0.9	0.10	.33	.088	.045	.033	15000	.021
810-C0603C0G1E010BTQ	C0603C0G1E010BTQ	1	0.10	.33	.088	.045	.033	15000	.021
810-C0603C0G1E010CTQ	C0603C0G1E010CTQ	1	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E1R2BTQ	C0603C0G1E1R2BTQ	1.2	0.10	.33	.088	.045	.033	15000	.021
810-C0603C0G1E1R2CTQ	C0603C0G1E1R2CTQ	1.2	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E1R5BTQ	C0603C0G1E1R5BTQ	1.5	0.10	.33	.088	.045	.033	15000	.021
810-C0603C0G1E1R5CTQ	C0603C0G1E1R5CTQ	1.5	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E1R8BTQ	C0603C0G1E1R8BTQ	1.8	0.10	.33	.088	.045	.033	15000	.021
810-C0603C0G1E1R8CTQ	C0603C0G1E1R8CTQ	1.8	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E020BTQ	C0603C0G1E020BTQ	2	0.10	.13	.069	.05	.039	15000	.023
810-C0603C0G1E020CTQ	C0603C0G1E020CTQ	2	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E2R2BTX	C0603C0G1E2R2BTX	2.2	0.10	.13	.069	.05	.039	15000	.023
810-C0603C0G1E2R2CTX	C0603C0G1E2R2CTX	2.2	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E2R7BTX	C0603C0G1E2R7BTX	2.7	0.10	.13	.069	.05	.039	15000	.023
810-C0603C0G1E2R7CTX	C0603C0G1E2R7CTX	2.7	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E030BTX	C0603C0G1E030BTX	3	0.10	.13	.069	.05	.039	15000	.023
810-C0603C0G1E030CTX	C0603C0G1E030CTX	3	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E3R3BTX	C0603C0G1E3R3BTX	3.3	0.10	.13	.069	.05	.039	15000	.023
810-C0603C0G1E3R3CTX	C0603C0G1E3R3CTX	3.3	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E3R9BTX	C0603C0G1E3R9BTX	3.9	0.10	.13	.069	.05	.039	15000	.023
810-C0603C0G1E3R9CTX	C0603C0G1E3R9CTX	3.9	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E040BTX	C0603C0G1E040BTX	4	0.10	.13	.069	.05	.039	15000	.023
810-C0603C0G1E040CTX	C0603C0G1E040CTX	4	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E4R7BTX	C0603C0G1E4R7BTX	4.7	0.10	.13	.069	.05	.039	15000	.023
810-C0603C0G1E4R7CTX	C0603C0G1E4R7CTX	4.7	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E050BTX	C0603C0G1E050BTX	5	0.10	.42	.20	.128	.10	15000	.064
810-C0603C0G1E050CTX	C0603C0G1E050CTX	5	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E5R6BTX	C0603C0G1E5R6BTX	5.6	0.10	.42	.20	.128	.10	15000	.064
810-C0603C0G1E5R6CTX	C0603C0G1E5R6CTX	5.6	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E060BTX	C0603C0G1E060BTX	6	0.10	.42	.20	.128	.10	15000	.064
810-C0603C0G1E060CTX	C0603C0G1E060CTX	6	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E6R8BTX	C0603C0G1E6R8BTX	6.8	0.10	.42	.20	.128	.10	15000	.064
810-C0603C0G1E6R8CTX	C0603C0G1E6R8CTX	6.8	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E070BTX	C0603C0G1E070BTX	7	0.10	.42	.20	.128	.10	15000	.064
810-C0603C0G1E070CTX	C0603C0G1E070CTX	7	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E080BTX	C0603C0G1E080BTX	8	0.10	.42	.20	.128	.10	15000	.064
810-C0603C0G1E080CTX	C0603C0G1E080CTX	8	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E8R2BTX	C0603C0G1E8R2BTX	8.2	0.10	.42	.20	.128	.10	15000	.064
810-C0603C0G1E8R2CTX	C0603C0G1E8R2CTX	8.2	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E090BTX	C0603C0G1E090BTX	9	0.10	.42	.20	.128	.10	15000	.064
810-C0603C0G1E090CTX	C0603C0G1E090CTX	9	0.25	.26	.063	.033	.022	15000	.014
810-C0603C0G1E100DTX	C0603C0G1E100DTX	10	0.50	.27	.072	.036	.027	15000	.017
810-C0603C0G1E100ETX	C0603C0G1E100ETX	10	0.20	.13	.069	.05	.039	15000	.023
810-C0603C0G1E120GTX	C0603C0G1E120GTX	12	2	.13	.069	.05	.039	15000	.023
810-C0603C0G1E120JTX	C0603C0G1E120JTX	12	5	.27	.072	.036	.027	15000	.017
810-C0603C0G1E150GTX	C0603C0G1E150GTX	15	2	.13	.069	.05	.039	15000	.023
810-C0603C0G1E150JTX	C0603C0G1E150JTX	15	5	.27	.072	.036	.027	15000	.017

## CER SERIES - ESR-CONTROLLING TYPE CAPACITORS

### Specifications:

- Temperature Coefficient: X5R
- Temperature Range: -55°C to +85°C
- Rated Voltage (DC): 4V
- Capacitance Tolerance (±): 20%

Type	CERB (0603)	CERD (0805)
L	1.60±0.20	2.00±0.20
W	0.80±0.10	1.25±0.20
T	0.80±0.10	0.85±0.15



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Tol. (%)	ESR Code (mΩ)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
810-CERB2CX5R0G105M	CERB2CX5R0G105M	0603	1	200	1.65	.975	.562	4000	.263
810-CERB2MX5R0G105M	CERB2MX5R0G105M	0603	1	650	1.65	.975	.562	4000	.263
810-CERB3UX5R0G105M	CERB3UX5R0G105M	0603	1	1200	1.65	.975	.562	4000	.263
810-CERD1CX5R0G106M	CERD1CX5R0G106M	0805	10	20	3.30	1.95	1.12	4000	.525
810-CERD1JX5R0G106M	CERD1JX5R0G106M	0805	10	50	3.30	1.95	1.12	4000	.525
810-CERD2AX5R0G106M	CERD2AX5R0G106M	0805	10	100	3.30	1.95	1.12	4000	.525
810-CERD2CX5R0G106M	CERD2CX5R0G106M	0805	10	200	3.30	1.95	1.12	4000	.525
810-CERD2JX5R0G106M	CERD2JX5R0G106M	0805	10	500	3.30	1.95	1.12	4000	.525