

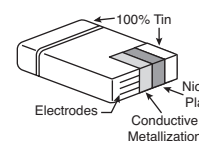
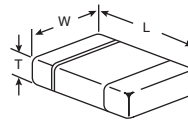
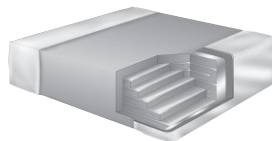
# KEMET SMD MLCC Ceramic Capacitors



## CBR SERIES COG RF / MICROWAVE CAPACITORS

- Features:**
- Ultra High Q
  - Low ESR
  - High thermal stability
  - No piezoelectronic noise
  - Base metal electrode (BME) dielectric system

- Electrical Specifications:**
- Temp. range: -55°C to +125°C



**Applications:**

- RF power amplifiers
- Mixers
- Oscillators
- Filter networks
- Low noise amplifiers
- Antenna tuning
- Timing circuits
- Delay lines
- Critical timing
- MRI imaging coils
- Tuning
- Bypass
- DC blocking
- Impedance matching
- Coupling/feedback/filtering

Case Size (in.)	Case Size (mm)	L Length	W Width	T Thickness	B Bandwidth	Mounting Technique
0201	0603	0.60(.024)±0.03(.001)	0.30(.012)±0.03(.001)	0.30(.012)±0.03(.001)	0.15(.006)±0.05(.002)	Solder Reflow Only
0402	1005	1.00(.040)±0.05(.002)	0.50(.020)±0.05(.002)	0.50(.020)±0.05(.002)	0.25(.010)±0.05(.002)-0.10(.004)	Solder Wave or Solder Reflow
0603	1608	1.60(.063)±0.10(.004)	0.80(.031)±0.10(.004)	0.80(.031)±0.07(.003)	0.40(.016)±0.15(.006)	
0805	2012	2.00(.079)±0.20(.008)	1.25(.049)±0.20(.008)	0.85(.031)±0.10(.004)	0.50(.020)±0.20(.008)	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	15000
<b>Style 0201</b>									
80-CBR02C108B3G	CBR02C108B3GAC	0.1	25	.15	.09	.06	.054	.05	.038
80-CBR02C308B3G	CBR02C308B3GAC	0.3	25	.15	.09	.06	.054	.05	.038
80-CBR02C508C3G	CBR02C508C3GAC	0.5	25	.12	.07	.05	.042	.039	.03
80-CBR02C708C3G	CBR02C708C3GAC	0.7	25	.12	.07	.05	.042	.039	.03
80-CBR02C908C3G	CBR02C908C3GAC	0.9	25	.12	.07	.05	.042	.039	.03
80-CBR02C129C3G	CBR02C129C3GAC	1.2	25	.12	.07	.05	.042	.039	.03
80-CBR02C189C3G	CBR02C189C3GAC	1.8	25	.12	.07	.05	.042	.039	.03
80-CBR02C279C3G	CBR02C279C3GAC	2.7	25	.12	.07	.05	.042	.039	.03
80-CBR02C399C3G	CBR02C399C3GAC	3.9	25	.12	.07	.05	.042	.039	.03
80-CBR02C569D3G	CBR02C569D3GAC	5.6	25	.14	.08	.05	.048	.044	.034
80-CBR02C829D3G	CBR02C829D3GAC	8.2	25	.14	.08	.05	.048	.044	.034
80-CBR02C100J3G	CBR02C100J3GAC	10	25	.19	.11	.07	.065	.061	.047
80-CBR02C110J3G	CBR02C110J3GAC	11	25	.19	.11	.07	.065	.061	.047
80-CBR02C120J3G	CBR02C120J3GAC	12	25	.19	.11	.07	.065	.061	.047
80-CBR02C130J3G	CBR02C130J3GAC	13	25	.19	.11	.07	.065	.061	.047
80-CBR02C150J3G	CBR02C150J3GAC	15	25	.19	.11	.07	.065	.061	.047
80-CBR02C160J3G	CBR02C160J3GAC	16	25	.19	.11	.07	.065	.061	.047
80-CBR02C180J3G	CBR02C180J3GAC	18	25	.19	.11	.07	.065	.061	.047

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	10000
<b>Style 0402 (Cont.)</b>									
80-CBR04C208B5G	CBR04C208B5GAC	0.2	50	.11	.07	.04	.039	.036	.028
80-CBR04C308B5G	CBR04C308B5GAC	0.3	50	.11	.07	.04	.039	.036	.028
80-CBR04C408B5G	CBR04C408B5GAC	0.4	50	.11	.07	.04	.039	.036	.028

For quantities greater than listed, call for quote.

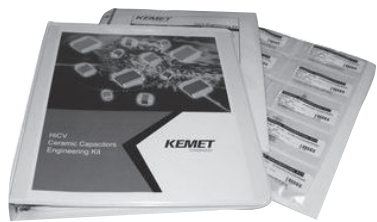
MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	4000
<b>Style 0603</b>									
80-CBR06C308BAG	CBR06C308BAGAC	0.3	250	.93	.53	.40	.33	.31	.233
80-CBR06C408BAG	CBR06C408BAGAC	0.4	250	.93	.53	.40	.33	.31	.233
80-CBR06C508CAG	CBR06C508CAGAC	0.5	250	.71	.46	.26	.25	.234	.182
80-CBR06C808CAG	CBR06C808CAGAC	0.8	250	.71	.46	.26	.25	.234	.182
80-CBR06C129CAG	CBR06C129CAGAC	1.2	250	.71	.46	.26	.25	.234	.182
80-CBR06C229CAG	CBR06C229CAGAC	2.2	250	.71	.46	.26	.25	.234	.182
80-CBR06C399CAG	CBR06C399CAGAC	3.9	250	.71	.46	.26	.25	.234	.182
80-CBR06C689DAG	CBR06C689DAGAC	6.8	250	.71	.46	.26	.25	.234	.182
80-CBR06C100JAG	CBR06C100JAGAC	10	250	1.15	.66	.50	.40	.37	.29
80-CBR06C120JAG	CBR06C120JAGAC	12	250	1.15	.66	.50	.40	.37	.29
80-CBR06C150JAG	CBR06C150JAGAC	15	250	1.15	.66	.50	.40	.37	.29
80-CBR06C180JAG	CBR06C180JAGAC	18	250	1.15	.66	.50	.40	.37	.29
80-CBR06C220JAG	CBR06C220JAGAC	22	250	1.15	.66	.50	.40	.37	.29
80-CBR06C270JAG	CBR06C270JAGAC	27	250	1.15	.66	.50	.40	.37	.29
80-CBR06C330JAG	CBR06C330JAGAC	33	250	1.15	.66	.50	.40	.37	.29
80-CBR06C390JAG	CBR06C390JAGAC	39	250	1.15	.66	.50	.40	.37	.29
80-CBR06C470JAG	CBR06C470JAGAC	47	250	1.15	.66	.50	.40	.37	.29

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	10000
<b>Style 0402</b>									
80-CBR04C108B5G	CBR04C108B5GAC	0.1	50	.11	.07	.04	.039	.036	.028
80-CBR04C208B5G	CBR04C208B5GAC	0.2	50	.11	.07	.04	.039	.036	.028
80-CBR04C308B5G	CBR04C308B5GAC	0.3	50	.11	.07	.04	.039	.036	.028
80-CBR04C408B5G	CBR04C408B5GAC	0.4	50	.11	.07	.04	.039	.036	.028
80-CBR04C508C5G	CBR04C508C5GAC	0.5	50	.09	.05	.035	.03	.028	.021
80-CBR04C608C5G	CBR04C608C5GAC	0.6	50	.09	.05	.035	.03	.028	.021
80-CBR04C708C5G	CBR04C708C5GAC	0.7	50	.09	.05	.035	.03	.028	.021
80-CBR04C808C5G	CBR04C808C5GAC	0.8	50	.09	.05	.035	.03	.028	.021
80-CBR04C908C5G	CBR04C908C5GAC	0.9	50	.09	.05	.035	.03	.028	.021
80-CBR04C109C5G	CBR04C109C5GAC	1	50	.09	.05	.035	.03	.028	.021
80-CBR04C159C5G	CBR04C159C5GAC	1.5	50	.09	.05	.035	.03	.028	.021
80-CBR04C229C5G	CBR04C229C5GAC	2.2	50	.09	.05	.035	.03	.028	.021
80-CBR04C339C5G	CBR04C339C5GAC	3.3	50	.09	.05	.035	.03	.028	.021
80-CBR04C479C5G	CBR04C479C5GAC	4.7	50	.09	.05	.035	.03	.028	.021
80-CBR04C689D5G	CBR04C689D5GAC	6.8	50	.09	.05	.035	.03	.028	.021
80-CBR04C100J5G	CBR04C100J5GAC	10	50	.12	.07	.05	.041	.038	.029
80-CBR04C120J5G	CBR04C120J5GAC	12	50	.12	.07	.05	.041	.038	.029
80-CBR04C150J5G	CBR04C150J5GAC	15	50	.12	.07	.05	.041	.038	.029
80-CBR04C108B5G	CBR04C108B5GAC	0.1	50	.11	.07	.04	.039	.036	.028

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	4000
<b>Style 0805</b>									
80-CBR08C229CAG	CBR08C229CAGAC	2.2	250	.95	.57	.38	.333	.309	.238
80-CBR08C339BAG	CBR08C339BAGAC	3.3	250	2.21	1.33	.88	.774	.718	.553
80-CBR08C479CAG	CBR08C479CAGAC	4.7	250	1.46	.88	.58	.512	.475	.366
80-CBR08C689BAG	CBR08C689BAGAC	6.8	250	3.66	2.19	1.46	1.28	1.19	.914
80-CBR08C100JAG	CBR08C100JAGAC	10	250	.94	.56	.37	.327	.304	.234
80-CBR08C120JAG	CBR08C120JAGAC	12	250	2.30	1.38	.92	.803	.746	.574
80-CBR08C150JAG	CBR08C150JAGAC	15	250	2.30	1.38	.92	.803	.746	.574
80-CBR08C180JAG	CBR08C180JAGAC	18	250	2.30	1.38	.92	.803	.746	.574
80-CBR08C220JAG	CBR08C220JAGAC	22	250	2.30	1.38	.92	.803	.746	.574
80-CBR08C270JAG	CBR08C270JAGAC	27	250	2.30	1.38	.92	.803	.746	.574
80-CBR08C330JAG	CBR08C330JAGAC	33	250	2.30	1.38	.92	.803	.746	.574
80-CBR08C390JAG	CBR08C390JAGAC	39	250	.94	.56	.37	.327	.304	.234
80-CBR08C470JAG	CBR08C470JAGAC	47	250	2.30	1.38	.92	.803	.746	.574
80-CBR08C560JAG	CBR08C560JAGAC	56	250	2.55	1.53	1.02	.893	.829	.638
80-CBR08C680JAG	CBR08C680JAGAC	68	250	2.55	1.53	1.02	.893	.829	.638
80-CBR08C820JAG	CBR08C820JAGAC	82	250	2.55	1.53	1.02	.893	.829	.638
80-CBR08C101JAG	CBR08C101JAGAC	100	250	2.55	1.53	1.02	.893	.829	.638

MOUSER STOCK NO.	Description	Price Each		Kit Includes:			
		1	2	Case Size	Volt (DC)	Value (µF)	Temp. Coef.
80-CERERFKIT01	100 PCS OF 110 VALUE	240.00	225.00	0201	10	22,27,33	COG
				0402	10	0.1	
				0402	50	0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1, 1.2, 1.5, 1.8, 2.2, 2.7, 3.3, 3.9, 4.7, 5.6, 6.8, 8.2, 10, 12, 15, 18, 22	
				0603	50	0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.2, 1.5, 1.6, 1.8, 2.0, 2.2, 2.7, 3.0, 3.3, 3.6, 3.9, 4.3, 4.9, 5.6, 6.8, 7.5, 8.0, 8.2, 10, 12, 15, 20, 22, 24, 30, 33, 43	
				0805	250	0.9, 1.0, 1.2, 1.5, 2.0, 2.2, 3.2, 4.0, 5.1, 6.0, 8.0, 8.2, 10, 12, 15, 18, 27, 30, 33, 47, 56, 68, 85, 100	



NEW AT MOUSER

Ceramic Caps, SMD

NEW AT MOUSER