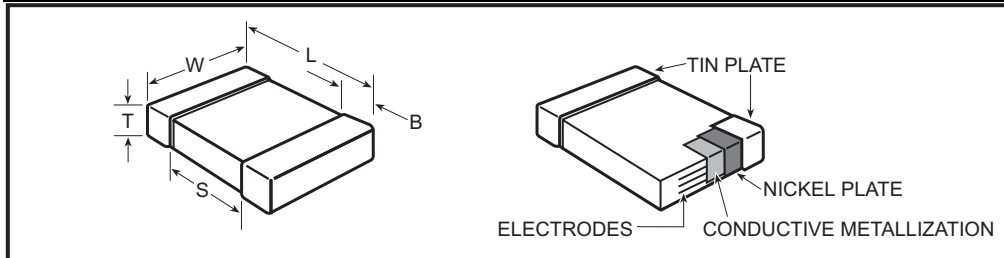


## Surface Mount Ceramic Chip Capacitors – Ultra-High Capacitance, COG Dielectric

### Outline Drawing



### Dimensions - Millimeters (Inches)

EIA SIZE CODE	METRIC SIZE CODE	L - LENGTH	W - WIDTH	B - BANDWIDTH	S SEPARATION minimum	MOUNTING TECHNIQUE
0402	1005	1.0 (.04) ± .05 (.002)	0.5 (.02) ± .05 (.002)	0.20 (.008) -.40 (.016)	0.3 (.012)	Solder Reflow
0603	1608	1.6 (.063) ± .15 (.006)	0.8 (.032) ± .15 (.006)	0.35 (.014) ± .15 (.006)	0.7 (.028)	Solder Wave + or Solder Reflow
0805	2012	2.0 (.079) ± .20 (.008)	1.25 (.049) ± .20 (.008)	0.50 (.02) ± .25 (.010)	0.75 (.030)	
1206	3216	3.2 (.126) ± .20 (.008)	1.6 (.063) ± .20 (.008)	0.50 (.02) ± .25 (.010)	N/A	
1210	3225	3.2 (.126) ± .20 (.008)	2.5 (.098) ± .20 (.008)	0.50 (.02) ± .25 (.010)	N/A	

See Capacitance Value Chart below for thickness dimension.

+ For extended values 1210 case sizes - solder reflow only. (Refer to F3102 catalog for additional soldering information and recommendations.)

### Ordering Information

**C 0805 C 103 K 5 G A C**

**Style** \_\_\_\_\_  
C - Ceramic

**Size Code** \_\_\_\_\_  
0402, 0603, 0805, 1206, 1210

**Specification** \_\_\_\_\_  
C - Standard

**Capacitance Code, pF** \_\_\_\_\_  
First two digits represent significant figures.  
Third digit specifies number of zeros. 100 pF = 101.  
(Use "9" for 1.0 through 9.9 pF)  
(Use "8" for 0.1 through .99 pF)

**Capacitance Tolerance** \_\_\_\_\_  
F = ±1%    K = ±10%  
G = ±2%    M = ±20%  
J = ±5%

**End Metallization**  
C = Standard (Tin-plate nickel barrier)

**Failure Rate Level**  
A = Not Applicable

**Temperature Characteristic**  
Designated by Capacitance Change Over Temperature Range  
G = COG (NP0) (±30 PPM/°C)

**Voltage**  
8 = 10V    5 = 50V  
4 = 16V    1 = 100V  
3 = 25V

## Electrical Parameters

As detailed in the KEMET Surface Mount Catalog F3102 for C0G, with following specific requirements based on room temperature (25°C) parameters:

- Operating Range: -55°C to +125°C, with no-bias capacitance shift limited to  $\pm 30$  PPM/°C over that range.
- Insulation Resistance (IR) measured after 2 minutes at rated voltage @ 25°C: Limit is 1000 megohm microfarads or 100G $\Omega$ , whichever is less.
- Capacitance and Dissipation Factor (DF) measured at the following conditions.  
Capacitance - 1 kHz and 1 vrms if capacitance >1000 pF  
1 MHz and 1 vrms if capacitance  $\leq$  1000 pF  
DF Limit is 0.1%.

## Soldering Process

Components are suitable for wave and IR reflow soldering except extended 1210 values which are suitable for IR reflow only. All parts incorporate the standard KEMET barrier layer of pure nickel, with an overplate of pure tin to provide excellent solderability as well as resistance to leaching. (Please refer to KEMET catalog F3102 for additional soldering information and recommendations.)

## Marking

These chips will be supplied unmarked. However, marking is available as an extra cost option.

## Qualification/Certification

AEC-Q200 Rev. C - Automotive

RoHS 6/6 - 100% tin termination

***In general, the information in the KEMET Surface Mount catalog F3102 applies to these capacitors.  
The information in this bulletin supplements that in the catalog.***

### Ratings & Part Number Table - 0402 Case Size

Capacitance Value (pF)	KEMET Part Number	Voltage	Capacitance Tolerance	Thickness - mm (inches)	Qty 7" Reel	Qty 13" Reel
1100	C0402C112_8GAC	10	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	50,000	50,000
1200	C0402C122_8GAC	10	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1300	C0402C132_8GAC	10	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1500	C0402C152_8GAC	10	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1600	C0402C162_8GAC	10	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1800	C0402C182_8GAC	10	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
2000	C0402C202_8GAC	10	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
2200	C0402C222_8GAC	10	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1100	C0402C112_4GAC	16	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1200	C0402C122_4GAC	16	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1300	C0402C132_4GAC	16	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1500	C0402C152_4GAC	16	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1600	C0402C162_4GAC	16	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1800	C0402C182_4GAC	16	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
2000	C0402C202_4GAC	16	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
2200	C0402C222_4GAC	16	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1100	C0402C112_3GAC	25	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1200	C0402C122_3GAC	25	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1300	C0402C132_3GAC	25	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1500	C0402C152_3GAC	25	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1600	C0402C162_3GAC	25	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1800	C0402C182_3GAC	25	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
2000	C0402C202_3GAC	25	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
2200	C0402C222_3GAC	25	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
360	C0402C361_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
390	C0402C391_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
430	C0402C431_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
470	C0402C471_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
510	C0402C511_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
560	C0402C561_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
620	C0402C621_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
680	C0402C681_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
750	C0402C751_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
820	C0402C821_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
910	C0402C911_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1000	C0402C102_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1100	C0402C112_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1200	C0402C122_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1300	C0402C132_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1500	C0402C152_5GAC	50	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
100	C0402C101_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
110	C0402C111_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
120	C0402C121_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
130	C0402C131_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
150	C0402C151_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
160	C0402C161_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
180	C0402C181_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
200	C0402C201_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
220	C0402C221_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
240	C0402C241_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
270	C0402C271_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
300	C0402C301_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
330	C0402C331_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
360	C0402C361_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
390	C0402C391_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
430	C0402C431_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
470	C0402C471_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
510	C0402C511_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
560	C0402C561_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
620	C0402C621_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
680	C0402C681_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
750	C0402C751_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
820	C0402C821_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
910	C0402C911_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000
1000	C0402C102_1GAC	100	F, G, J, K, M	0.50 (0.02) ± 0.05 (0.002)	10,000	50,000

## Ratings & Part Number Table - 0603 Case Size

Capacitance Value (pF)	KEMET Part Number	Voltage	Capacitance Tolerance	Thickness - mm (inches)	Qty 7" Reel	Qty 13" Reel
12000	C0603C123_8GAC	10	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
15000	C0603C153_8GAC	10	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
12000	C0603C123_4GAC	16	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
15000	C0603C153_4GAC	16	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
12000	C0603C123_3GAC	25	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
15000	C0603C153_3GAC	25	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
2200	C0603C222_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
2400	C0603C242_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
2700	C0603C272_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
3000	C0603C302_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
3300	C0603C332_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
3600	C0603C362_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
3900	C0603C392_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
4300	C0603C432_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
4700	C0603C472_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
5100	C0603C512_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
5600	C0603C562_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
6200	C0603C622_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
6800	C0603C682_5GAC	50	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
360	C0603C361_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
390	C0603C391_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
430	C0603C431_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
470	C0603C471_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
510	C0603C511_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
560	C0603C561_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
620	C0603C621_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
680	C0603C681_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
750	C0603C751_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
820	C0603C821_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
910	C0603C911_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
1000	C0603C102_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
1100	C0603C112_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
1200	C0603C122_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
1300	C0603C132_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
1500	C0603C152_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
1600	C0603C162_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
1800	C0603C182_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
2000	C0603C202_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
2200	C0603C222_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
2400	C0603C242_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
2700	C0603C272_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
3000	C0603C302_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
3300	C0603C332_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
3600	C0603C362_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
3900	C0603C392_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
4300	C0603C432_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000
4700	C0603C472_1GAC	100	F, G, J, K, M	0.80 (0.031) ± 0.07 (0.003)	4,000	10,000

### Ratings & Part Number Table - 0805 Case Size

Capacitance Value (pF)	KEMET Part Number	Voltage	Capacitance Tolerance	Thickness - mm (inches)	Qty 7" Reel	Qty 13" Reel
47000	C0805C473_8GAC	10	F, G, J, K, M	1.25 (0.049) ± 0.15 (0.006)	2,500	10,000
47000	C0805C473_4GAC	16	F, G, J, K, M	1.25 (0.049) ± 0.15 (0.006)	2,500	10,000
47000	C0805C473_3GAC	25	F, G, J, K, M	1.25 (0.049) ± 0.15 (0.006)	2,500	10,000
6800	C0805C682_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
7500	C0805C752_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
8200	C0805C822_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
9100	C0805C912_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
10000	C0805C103_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
12000	C0805C123_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
15000	C0805C153_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
18000	C0805C183_5GAC	50	F, G, J, K, M	0.90 (0.035) ± 0.10 (0.004)	4,000	10,000
22000	C0805C223_5GAC	50	F, G, J, K, M	1.10 (0.043) ± 0.10 (0.004)	2,500	10,000
2200	C0805C222_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
2400	C0805C242_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
2700	C0805C272_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
3000	C0805C302_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
3300	C0805C332_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
3600	C0805C362_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
3900	C0805C392_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
4300	C0805C432_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
4700	C0805C472_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
5100	C0805C512_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
5600	C0805C562_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
6200	C0805C622_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
6800	C0805C682_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
7500	C0805C752_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
8200	C0805C822_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
9100	C0805C912_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
10000	C0805C103_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
12000	C0805C123_1GAC	100	F, G, J, K, M	1.00 (0.039) ± 0.10 (0.004)	2,500	10,000
15000	C0805C153_1GAC	100	F, G, J, K, M	1.25 (0.049) ± 0.15 (0.006)	2,500	10,000

### Ratings & Part Number Table - 1206 Case Size

Capacitance Value (pF)	KEMET Part Number	Voltage	Capacitance Tolerance	Thickness - mm (inches)	Qty 7" Reel	Qty 13" Reel
15000	C1206C153_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
18000	C1206C183_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
22000	C1206C223_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
27000	C1206C273_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
33000	C1206C333_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
47000	C1206C473_5GAC	50	F, G, J, K, M	1.10 (0.043) ± 0.10 (0.004)	2,500	10,000
56000	C1206C563_5GAC	50	F, G, J, K, M	1.20 (0.047) ± 0.15 (0.006)	2,500	10,000
68000	C1206C683_5GAC	50	F, G, J, K, M	1.60 (0.063) ± 0.20 (0.008)	2,000	8,000
82000	C1206C823_5GAC	50	F, G, J, K, M	1.60 (0.063) ± 0.20 (0.008)	2,000	8,000
6800	C1206C682_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
7500	C1206C752_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
8200	C1206C822_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
9100	C1206C912_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
10000	C1206C103_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
12000	C1206C123_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
15000	C1206C153_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
18000	C1206C183_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
22000	C1206C223_1GAC	100	F, G, J, K, M	0.90 (0.035) ± 0.10 (0.004)	4,000	10,000
27000	C1206C273_1GAC	100	F, G, J, K, M	1.10 (0.043) ± 0.10 (0.004)	2,500	10,000
33000	C1206C333_1GAC	100	F, G, J, K, M	1.10 (0.043) ± 0.10 (0.004)	2,500	10,000
47000	C1206C473_1GAC	100	F, G, J, K, M	1.60 (0.063) ± 0.20 (0.008)	2,000	8,000

### Ratings & Part Number Table - 1210 Case Size

Capacitance Value (pF)	KEMET Part Number	Voltage	Capacitance Tolerance	Thickness - mm (inches)	Qty 7" Reel	Qty 13" Reel
18000	C1210C183_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
22000	C1210C223_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
27000	C1210C273_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
33000	C1210C333_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
47000	C1210C473_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
56000	C1210C563_5GAC	50	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
68000	C1210C683_5GAC	50	F, G, J, K, M	0.90 (0.035) ± 0.10 (0.004)	4,000	10,000
82000	C1210C823_5GAC	50	F, G, J, K, M	1.10 (0.043) ± 0.10 (0.004)	2,500	10,000
100000	C1210C104_5GAC	50	F, G, J, K, M	1.25 (0.049) ± 0.15 (0.006)	2,500	10,000
120000	C1210C124_5GAC	50	F, G, J, K, M	1.55 (0.061) ± 0.15 (0.006)	2,000	8,000
150000	C1210C154_5GAC	50	F, G, J, K, M	1.70 (0.067) ± 0.20 (0.008)	2,000	8,000
12000	C1210C123_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
15000	C1210C153_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
18000	C1210C183_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
22000	C1210C223_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
27000	C1210C273_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
33000	C1210C333_1GAC	100	F, G, J, K, M	0.78 (0.031) ± 0.10 (0.004)	4,000	10,000
47000	C1210C473_1GAC	100	F, G, J, K, M	1.00 (0.039) ± 0.10 (0.004)	2,500	10,000
56000	C1210C563_1GAC	100	F, G, J, K, M	1.10 (0.043) ± 0.10 (0.004)	2,500	10,000
68000	C1210C683_1GAC	100	F, G, J, K, M	1.25 (0.049) ± 0.15 (0.006)	2,500	10,000
82000	C1210C823_1GAC	100	F, G, J, K, M	1.55 (0.061) ± 0.15 (0.006)	2,000	8,000
100000	C1210C104_1GAC	100	F, G, J, K, M	1.70 (0.067) ± 0.20 (0.008)	2,000	8,000