

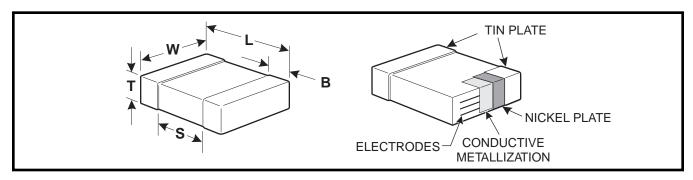
CERAMIC CHIP/STANDARD

FEATURES

- C0G (NP0), X7R, Z5U and Y5V Dielectrics
- 10, 16, 25, 50, 100 and 200 Volts
- Standard End Metalization: Tin-plate over nickel barrier
- Available Capacitance Tolerances: ±0.10 pF; ±0.25 pF; ±0.5 pF; ±1%; ±2%; ±5%; ±10%; ±20%; and +80%-20%

 Tape and reel packaging per EIA481-1. (See page 51 for specific tape and reel information.) Bulk Cassette packaging (0402, 0603, 0805 only) per IEC60286-6 and EIAJ 7201.

CAPACITOR OUTLINE DRAWINGS

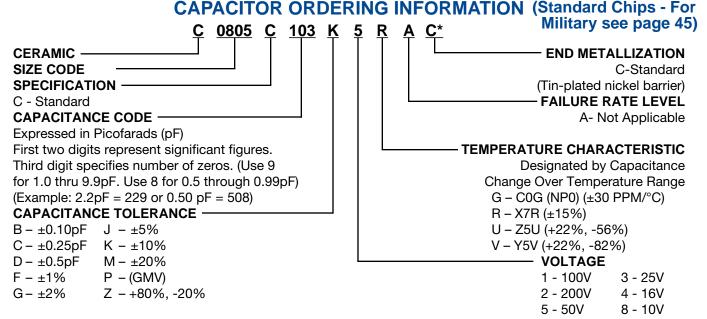


DIMENSIONS—MILLIMETERS AND (INCHES)

EIA METRIC SIZE CODE (Ref only)		L# LENGTH	W # WIDTH	T (EIA) # THICKNESS MAX.	B Bandwidth	S MIN. SEPARATION	MOUNTING TECHNIQUE	
0402*	1005	1.0 (.04) ± .05(.002)	0.5 (.02) ± .05 (.002)	0.55 (.022)	0.20 (0.008)-0.40 (0.016)	0.3 (.012)	Solder Reflow	
0603*	1608	1.6 (.063) ± 0.15 (.006)	0.8 (.032) ± 0.15 (.006)	0.9 (.035)	0.35 (.014) ±0.15 (.006)	0.7 (.028)		
0805*	2012	2.0 (.079) ± 0.2 (.008)	1.25 (.049) ± 0.2 (.008)	1.3 (.051)	0.5 (.02) ±.25 (.010)	0.75 (.030)	Solder Wave	
1206*	3216	3.2 (.126) ± 0.2 (.008)	1.6 (.063) ± 0.2 (.008)	1.5 (.059)	0.5 (.02) ±.25 (.010)	N/A	Solder Reflow	
1210*	3225	3.2 (.126) ± 0.2 (.008)	2.5 (.098) ± 0.2 (.008)	1.7 (.067)	0.5 (.02) ±.25 (.010)	N/A		
1812	4532	4.5 (.177) ± 0.3 (.012)	3.2 (.126) ± 0.3 (.012)	1.7 (.067)	0.6 (.024) ±.35 (.014)	N/A		
1825*	4564	4.5 (.177) ± 0.3 (.012)	6.4 (.252) ± 0.4 (.016)	1.7 (.067)	0.6 (.024) ±.35 (.014)	N/A	Solder	
2220	5650	5.6 (.220) ± 0.4 (.016)	5.0 (.197) ± 0.4 (.016)	1.8 (.071)	0.6 (.024) ±.35 (.014)	N/A	Reflow	
2225	5664	5.6 (.220) ± 0.4 (.016)	6.3 (.248) ± 0.4 (.016)	2.0 (.079)	0.6 (.024) ±.35 (.014)	N/A		

^{*} Note: Indicates EIA Preferred Case Sizes

[#] Note: Different tolerances apply for 0402, 0603, and 0805 packaged in bulk cassette.



CERAMIC CHIP/STANDARD



Z5U CAPACITANCE RANGE

(KEMET's Z5U also meets Y5V Characteristics)

CAP. CA		AP C0805*		C1206*		C1210*		C1812*		C1825*		C2225	
PF	TOL	50V	100V	50V	100V	50V	100V	50V	100V	50V	100V	50V	100V
6800.0 8200.0 10,000.0 11,000.0 15,000.0 18,000.0 22,000.0 27,000.0 33,000.0 47,000.0 56,000.0 120,000.0 120,000.0 150,000.0 270,000.0 330,000.0 270,000.0 390,000.0 270,000.0 150,000.0 150,000.0 150,000.0 150,000.0 150,000.0 150,000.0 150,000.0 150,000.0	M,Z M,Z M,Z M,Z M,Z M,Z M,Z M,Z M,Z M,Z	682 822 103 123 153 183 223 273 333 473 563 823 104	682 822 103	103 123 153 183 223 273 333 473 563 823 104 124 154 184 224	103 123 153 183 223 273 333 393	473 563 823 104 124 154 184 224 334	473 563 683 823	823 104 154 154 224 334 394 4564 684 105	823 104 124 154	184 224 274 334 474 564 684 8105 125 155 155 225	184 224 274 334 394	334 394 474 564 684 8105 125 155 155 225	334 394 474

NOTE: For non-standard capacitance values or voltages, contact your local KEMET sales representative. 50 Volt Ceramic Chips can be used for 63 volt applications.

* EIA preferred chip sizes