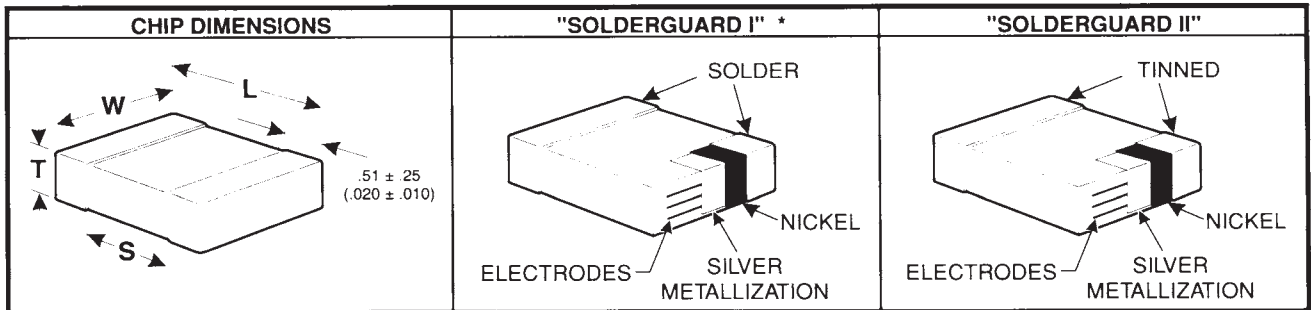


CAPACITOR OUTLINE DRAWINGS



* Add .38mm (.015") to the positive width and thickness tolerance dimensions and .64mm (.025") to the positive length tolerance dimension for Solderguard I.

DIMENSIONS — MILLIMETERS (INCHES)

| Size Code | L Length | W Width | T Thickness Max. |
|-----------|---------------------------|---------------------------|------------------|
| 0805 | 2.03 (.080) ± 0.38 (.015) | 1.27 (.050) ± 0.38 (.015) | 1.4 (.055) |
| 1005 | 2.56 (.100) ± 0.38 (.015) | 1.27 (.050) ± 0.38 (.015) | 1.5 (.059) |
| 1206 | 3.07 (.120) ± 0.38 (.015) | 1.52 (.060) ± 0.38 (.015) | 1.6 (.065) |
| 1210 | 3.07 (.120) ± 0.38 (.015) | 2.56 (.100) ± 0.38 (.015) | 1.6 (.065) |
| 1805 | 4.57 (.180) ± 0.38 (.015) | 1.27 (.050) ± 0.38 (.015) | 1.4 (.055) |
| 1808 | 4.57 (.180) ± 0.38 (.015) | 2.03 (.080) ± 0.38 (.015) | 1.6 (.065) |
| 1812 | 4.57 (.180) ± 0.38 (.015) | 3.18 (.125) ± 0.38 (.015) | 2.03 (.080) |
| 1825 | 4.57 (.180) ± 0.38 (.015) | 6.35 (.250) ± 0.38 (.015) | 2.03 (.080) |
| 2225 | 5.59 (.220) ± 0.38 (.015) | 6.35 (.250) ± 0.38 (.015) | 2.03 (.080) |

ORDERING INFORMATION

C **0805** **A** **103** **K** **5** **X** **A** **C**

CERAMIC
SIZE CODE
See table above

SPECIFICATION
A — KEMET GR900 (CHIPS)

CAPACITANCE CODE
Expressed in Picofarads (pF)
First two digit-significant figures.
Third digit-number of zeros. (Use 9 for 1.0 thru 9.9 pF.
Example: 2.2 pF — 229).

CAPACITANCE TOLERANCE
M — ±20% G — ±2% (G(BP) Temperature Characteristic Only)
K — ±10% F — ±1% (G(BP) Temperature Characteristic Only)
J — ±5% *D — ±0.5 pF (G(BP) Temperature Characteristic Only)
 *C — ±0.25 pF (G(BP) Temperature Characteristic Only)

*These tolerances available only for 1.0 through 10 pF capacitors.

VOLTAGE
1—100
2—200
5—50

END METALLIZATION
C—Tin-Coated, Final (SolderGuard II)
H—Solder-Coated, Final (SolderGuard I)

FAILURE RATE LEVEL (%/1,000 HOURS)
A—Standard—Not applicable

TEMPERATURE CHARACTERISTIC
Designated by Capacitance Change over Temperature Range
G—BP (±30 PPM/C)
X—BX (±15%, +15%, -25% with bias.)

MARKING

Capacitors shall be legibly laser marked in contrasting color with the KEMET trademark and 2-digit capacitance symbol.

RATINGS AND PART NUMBER REFERENCE

C0504 & C0805

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 1.0 | C0504A109(1)2GA(2) |
| 1.1 | C0504A119(1)2GA(2) |
| 1.2 | C0504A129(1)2GA(2) |
| 1.5 | C0504A159(1)2GA(2) |
| 1.6 | C0504A169(1)2GA(2) |
| 1.8 | C0504A189(1)2GA(2) |
| 2.0 | C0504A209(1)2GA(2) |
| 2.2 | C0504A229(1)2GA(2) |
| 2.4 | C0504A249(1)2GA(2) |
| 2.7 | C0504A279(1)2GA(2) |
| 3.0 | C0504A309(1)2GA(2) |
| 3.3 | C0504A339(1)2GA(2) |
| 3.6 | C0504A369(1)2GA(2) |
| 3.9 | C0504A399(1)2GA(2) |
| 4.3 | C0504A439(1)2GA(2) |
| 4.7 | C0504A479(1)2GA(2) |
| 5.1 | C0504A519(1)2GA(2) |
| 5.6 | C0504A569(1)2GA(2) |
| 6.2 | C0504A629(1)2GA(2) |
| 6.8 | C0504A689(1)2GA(2) |
| 7.5 | C0504A759(1)2GA(2) |
| 8.2 | C0504A829(1)2GA(2) |
| 9.1 | C0504A919(1)2GA(2) |
| 10.0 | C0504A100(1)2GA(2) |
| 11.0 | C0504A110(1)2GA(2) |
| 12.0 | C0504A120(1)2GA(2) |
| 13.0 | C0504A130(1)2GA(2) |
| 15.0 | C0504A150(1)2GA(2) |
| 16.0 | C0504A160(1)2GA(2) |
| 18.0 | C0504A180(1)2GA(2) |
| 20.0 | C0504A200(1)2GA(2) |
| 22.0 | C0504A220(1)2GA(2) |
| 24.0 | C0504A240(1)2GA(2) |
| 27.0 | C0504A270(1)2GA(2) |
| 30.0 | C0504A300(1)2GA(2) |
| 33.0 | C0504A330(1)2GA(2) |
| 36.0 | C0504A360(1)2GA(2) |
| 39.0 | C0504A390(1)2GA(2) |
| 43.0 | C0504A430(1)2GA(2) |
| 47.0 | C0504A470(1)2GA(2) |
| 51.0 | C0504A510(1)2GA(2) |
| 56.0 | C0504A560(1)2GA(2) |
| 62.0 | C0504A620(1)2GA(2) |
| 75.0 | C0504A750(1)2GA(2) |
| 82.0 | C0504A820(1)2GA(2) |
| 100 VOLT - BP | |
| 91.0 | C0504A910(1)1GA(2) |
| 100 | C0504A101(1)1GA(2) |
| 110 | C0504A111(1)1GA(2) |
| 120 | C0504A121(1)1GA(2) |
| 130 | C0504A131(1)1GA(2) |
| 50 VOLT - BP | |
| 150 | C0504A151(1)5GA(2) |
| 160 | C0504A161(1)5GA(2) |
| 180 | C0504A181(1)5GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BX | |
| 220 | C0504A221(1)2XA(2) |
| 270 | C0504A271(1)2XA(2) |
| 330 | C0504A331(1)2XA(2) |
| 100 VOLT - BX | |
| 360 | C0504A361(1)1XA(2) |
| 390 | C0504A391(1)1XA(2) |
| 470 | C0504A471(1)1XA(2) |
| 560 | C0504A561(1)1XA(2) |
| 680 | C0504A681(1)1XA(2) |
| 820 | C0504A821(1)1XA(2) |
| 1000 | C0504A102(1)1XA(2) |
| 1200 | C0504A122(1)1XA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|---------------------|----------------------|
| 50 VOLT - BX | |
| 1500 | C0504A152(1)5XA(2) |
| 1800 | C0504A182(1)5XA(2) |
| 2200 | C0504A222(1)5XA(2) |
| 2700 | C0504A272(1)5XA(2) |
| 3300 | C0504A332(1)5XA(2) |
| 3900 | C0504A392(1)5XA(2) |
| 4700 | C0504A472(1)5XA(2) |
| 5600 | C0504A562(1)5XA(2) |
| 6800 | C0504A682(1)5XA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 1.0 | C0805A109(1)2GA(2) |
| 1.1 | C0805A119(1)2GA(2) |
| 1.2 | C0805A129(1)2GA(2) |
| 1.5 | C0805A159(1)2GA(2) |
| 1.6 | C0805A169(1)2GA(2) |
| 1.8 | C0805A189(1)2GA(2) |
| 2.0 | C0805A209(1)2GA(2) |
| 2.2 | C0805A229(1)2GA(2) |
| 2.4 | C0805A249(1)2GA(2) |
| 2.7 | C0805A279(1)2GA(2) |
| 3.0 | C0805A309(1)2GA(2) |
| 3.3 | C0805A339(1)2GA(2) |
| 3.6 | C0805A369(1)2GA(2) |
| 3.9 | C0805A399(1)2GA(2) |
| 4.3 | C0805A439(1)2GA(2) |
| 4.7 | C0805A479(1)2GA(2) |
| 5.1 | C0805A519(1)2GA(2) |
| 5.6 | C0805A569(1)2GA(2) |
| 6.2 | C0805A629(1)2GA(2) |
| 6.8 | C0805A689(1)2GA(2) |
| 7.5 | C0805A759(1)2GA(2) |
| 8.2 | C0805A829(1)2GA(2) |
| 9.1 | C0805A919(1)2GA(2) |
| 10.0 | C0805A100(1)2GA(2) |
| 11.0 | C0805A110(1)2GA(2) |
| 12.0 | C0805A120(1)2GA(2) |
| 13.0 | C0805A130(1)2GA(2) |
| 15.0 | C0805A150(1)2GA(2) |
| 16.0 | C0805A160(1)2GA(2) |
| 18.0 | C0805A180(1)2GA(2) |
| 20.0 | C0805A200(1)2GA(2) |
| 22.0 | C0805A220(1)2GA(2) |
| 24.0 | C0805A240(1)2GA(2) |
| 27.0 | C0805A270(1)2GA(2) |
| 30.0 | C0805A300(1)2GA(2) |
| 33.0 | C0805A330(1)2GA(2) |
| 36.0 | C0805A360(1)2GA(2) |
| 39.0 | C0805A390(1)2GA(2) |
| 43.0 | C0805A430(1)2GA(2) |
| 47.0 | C0805A470(1)2GA(2) |
| 51.0 | C0805A510(1)2GA(2) |
| 56.0 | C0805A560(1)2GA(2) |
| 62.0 | C0805A620(1)2GA(2) |
| 75.0 | C0805A750(1)2GA(2) |
| 82.0 | C0805A820(1)2GA(2) |
| 91.0 | C0805A910(1)2GA(2) |
| 100 | C0805A101(1)2GA(2) |
| 110 | C0805A111(1)2GA(2) |
| 120 | C0805A121(1)2GA(2) |
| 130 | C0805A131(1)2GA(2) |
| 150 | C0805A151(1)2GA(2) |
| 160 | C0805A161(1)2GA(2) |
| 180 | C0805A181(1)2GA(2) |
| 200 | C0805A201(1)2GA(2) |
| 220 | C0805A221(1)2GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|------------------------|----------------------|
| 100 VOLT - BP56 | |
| 240 | C0805A241(1)1GA(2) |
| 270 | C0805A271(1)1GA(2) |
| 300 | C0805A301(1)1GA(2) |
| 330 | C0805A331(1)1GA(2) |
| 360 | C0805A361(1)1GA(2) |
| 390 | C0805A391(1)1GA(2) |
| 430 | C0805A431(1)1GA(2) |
| 470 | C0805A471(1)1GA(2) |
| 50 VOLT - BP | |
| 510 | C0805A511(1)5GA(2) |
| 560 | C0805A561(1)5GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BX | |
| 180 | C0805A181(1)2XA(2) |
| 220 | C0805A221(1)2XA(2) |
| 270 | C0805A271(1)2XA(2) |
| 330 | C0805A331(1)2XA(2) |
| 390 | C0805A391(1)2XA(2) |
| 470 | C0805A471(1)2XA(2) |
| 560 | C0805A561(1)2XA(2) |
| 680 | C0805A681(1)2XA(2) |
| 820 | C0805A821(1)2XA(2) |
| 100 VOLT - BX | |
| 1000 | C0805A102(1)1XA(2) |
| 1200 | C0805A122(1)1XA(2) |
| 1500 | C0805A152(1)1XA(2) |
| 1800 | C0805A182(1)1XA(2) |
| 2200 | C0805A222(1)1XA(2) |
| 3300 | C0805A332(1)1XA(2) |
| 3900 | C0805A392(1)1XA(2) |
| 4700 | C0805A472(1)1XA(2) |
| 50 VOLT - BX | |
| 5600 | C0805A562(1)5XA(2) |
| 6800 | C0805A682(1)5XA(2) |
| 8200 | C0805A822(1)5XA(2) |
| 10000 | C0805A103(1)5XA(2) |

(1) Complete KEMET part number by inserting capacitance tolerance, as applicable as shown in ordering information on page 16.

BP CAPACITANCE TOLERANCE: ±1%, ±2%, ±5%, ±10%, ±20% (±0.5pF & ±0.25pF tolerances available 1.0 thru 10pF only) TEMPERATURE CHARACTERISTIC "G"

BX CAPACITANCE TOLERANCE: ±5%, ±10%, ±20% TEMPERATURE CHARACTERISTIC "X"

(2) Complete part number by inserting end Metallization, as applicable as shown in ordering information on page 16.

C—Tin-Coated, Final (SolderGuard II)

H—Solder-Coated, Final (SolderGuard I)

L-70/30 Tin/Lead Plated

**RATINGS AND PART NUMBER REFERENCE
STYLE C1005**

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 1.0 | C1005A109(1)2GA(2) |
| 1.1 | C1005A119(1)2GA(2) |
| 1.2 | C1005A129(1)2GA(2) |
| 1.5 | C1005A159(1)2GA(2) |
| 1.6 | C1005A169(1)2GA(2) |
| 1.8 | C1005A189(1)2GA(2) |
| 2.0 | C1005A209(1)2GA(2) |
| 2.2 | C1005A229(1)2GA(2) |
| 2.4 | C1005A249(1)2GA(2) |
| 2.7 | C1005A279(1)2GA(2) |
| 3.0 | C1005A309(1)2GA(2) |
| 3.3 | C1005A339(1)2GA(2) |
| 3.6 | C1005A369(1)2GA(2) |
| 3.9 | C1005A399(1)2GA(2) |
| 4.3 | C1005A439(1)2GA(2) |
| 4.7 | C1005A479(1)2GA(2) |
| 5.1 | C1005A519(1)2GA(2) |
| 5.6 | C1005A569(1)2GA(2) |
| 6.8 | C1005A689(1)2GA(2) |
| 7.5 | C1005A759(1)2GA(2) |
| 8.2 | C1005A829(1)2GA(2) |
| 9.1 | C1005A919(1)2GA(2) |
| 10.0 | C1005A100(1)2GA(2) |
| 11.0 | C1005A110(1)2GA(2) |
| 12.0 | C1005A120(1)2GA(2) |
| 13.0 | C1005A130(1)2GA(2) |
| 15.0 | C1005A150(1)2GA(2) |
| 16.0 | C1005A160(1)2GA(2) |
| 18.0 | C1005A180(1)2GA(2) |
| 20.0 | C1005A200(1)2GA(2) |
| 22.0 | C1005A220(1)2GA(2) |
| 24.0 | C1005A240(1)2GA(2) |
| 27.0 | C1005A270(1)2GA(2) |
| 30.0 | C1005A300(1)2GA(2) |
| 33.0 | C1005A330(1)2GA(2) |
| 36.0 | C1005A360(1)2GA(2) |
| 39.0 | C1005A390(1)2GA(2) |
| 43.0 | C1005A430(1)2GA(2) |
| 47.0 | C1005A470(1)2GA(2) |
| 51.0 | C1005A510(1)2GA(2) |
| 56.0 | C1005A560(1)2GA(2) |
| 62.0 | C1005A620(1)2GA(2) |
| 75.0 | C1005A750(1)2GA(2) |
| 82.0 | C1005A820(1)2GA(2) |
| 91.0 | C1005A910(1)2GA(2) |
| 100 | C1005A101(1)2GA(2) |
| 110 | C1005A111(1)2GA(2) |
| 120 | C1005A121(1)2GA(2) |
| 130 | C1005A131(1)2GA(2) |
| 150 | C1005A151(1)2GA(2) |
| 160 | C1005A161(1)2GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 180 | C1005A181(1)2GA(2) |
| 200 | C1005A201(1)2GA(2) |
| 220 | C1005A221(1)2GA(2) |
| 240 | C1005A241(1)2GA(2) |
| 270 | C1005A271(1)2GA(2) |
| 300 | C1005A301(1)2GA(2) |
| 330 | C1005A331(1)2GA(2) |
| 360 | C1005A361(1)2GA(2) |
| 390 | C1005A391(1)2GA(2) |
| 430 | C1005A431(1)2GA(2) |
| 470 | C1005A471(1)2GA(2) |
| 100 VOLT - BP | |
| 510 | C1005A511(1)1GA(2) |
| 560 | C1005A561(1)1GA(2) |
| 620 | C1005A621(1)1GA(2) |
| 680 | C1005A681(1)1GA(2) |
| 750 | C1005A751(1)1GA(2) |
| 820 | C1005A821(1)1GA(2) |
| 50 VOLT - BP | |
| 910 | C1005A911(1)5GA(2) |
| 1000 | C1005A102(1)5GA(2) |
| 1100 | C1005A112(1)5GA(2) |
| 1200 | C1005A122(1)5GA(2) |
| 200 VOLT - BX | |
| 330 | C1005A331(1)2XA(2) |
| 390 | C1005A391(1)2XA(2) |
| 470 | C1005A471(1)2XA(2) |
| 560 | C1005A561(1)2XA(2) |
| 680 | C1005A681(1)2XA(2) |
| 820 | C1005A821(1)2XA(2) |
| 1000 | C1005A102(1)2XA(2) |
| 1200 | C1005A122(1)2XA(2) |
| 1500 | C1005A152(1)2XA(2) |
| 1800 | C1005A182(1)2XA(2) |
| 100 VOLT - BX | |
| 2200 | C1005A222(1)1XA(2) |
| 2700 | C1005A272(1)1XA(2) |
| 3300 | C1005A332(1)1XA(2) |
| 3900 | C1005A392(1)1XA(2) |
| 4700 | C1005A472(1)1XA(2) |
| 5600 | C1005A562(1)1XA(2) |
| 6800 | C1005A682(1)1XA(2) |
| 8200 | C1005A822(1)1XA(2) |
| 10,000 | C1005A103(1)1XA(2) |
| 50 VOLT - BX | |
| 12,000 | C1005A123(1)5XA(2) |
| 15,000 | C1005A153(1)5XA(2) |
| 18,000 | C1005A183(1)5XA(2) |
| 22,000 | C1005A223(1)5XA(2) |

**RATINGS AND PART NUMBER REFERENCE
STYLE C1206**

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 10.0 | C1206A100(1)2GA(2) |
| 11.0 | C1206A110(1)2GA(2) |
| 12.0 | C1206A120(1)2GA(2) |
| 13.0 | C1206A130(1)2GA(2) |
| 15.0 | C1206A150(1)2GA(2) |
| 16.0 | C1206A160(1)2GA(2) |
| 18.0 | C1206A180(1)2GA(2) |
| 20.0 | C1206A200(1)2GA(2) |
| 22.0 | C1206A220(1)2GA(2) |
| 24.0 | C1206A240(1)2GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 27.0 | C1206A270(1)2GA(2) |
| 30.0 | C1206A300(1)2GA(2) |
| 33.0 | C1206A330(1)2GA(2) |
| 36.0 | C1206A360(1)2GA(2) |
| 39.0 | C1206A390(1)2GA(2) |
| 43.0 | C1206A430(1)2GA(2) |
| 47.0 | C1206A470(1)2GA(2) |
| 51.0 | C1206A510(1)2GA(2) |
| 56.0 | C1206A560(1)2GA(2) |
| 62.0 | C1206A620(1)2GA(2) |

(1) Complete KEMET part number by inserting capacitance tolerance, as applicable as shown in ordering information on page 17.
BP CAPACITANCE TOLERANCE: ±1%, ±2%, ±5%, ±10%, ±20% (±0.5pF & ±0.25pF tolerances available 1.0 thru 10pF only) TEMPERATURE CHARACTERISTIC "G"
BX CAPACITANCE TOLERANCE: ±5%, ±10%, ±20% TEMPERATURE CHARACTERISTIC "X"
 (2) Complete part number by inserting end Metallization, as applicable as shown in ordering information on page 17.
 C—Tin-Coated, Final (SolderGuard II)
 H—Solder-Coated, Final (SolderGuard I)

**RATINGS AND PART NUMBER REFERENCE
STYLE C1206 (continued)**

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 68.0 | C1206A680(1)2GA(2) |
| 75.0 | C1206A750(1)2GA(2) |
| 82.0 | C1206A820(1)2GA(2) |
| 91.0 | C1206A910(1)2GA(2) |
| 100 | C1206A101(1)2GA(2) |
| 110 | C1206A111(1)2GA(2) |
| 120 | C1206A121(1)2GA(2) |
| 130 | C1206A131(1)2GA(2) |
| 150 | C1206A151(1)2GA(2) |
| 160 | C1206A161(1)2GA(2) |
| 180 | C1206A181(1)2GA(2) |
| 200 | C1206A201(1)2GA(2) |
| 220 | C1206A221(1)2GA(2) |
| 240 | C1206A241(1)2GA(2) |
| 270 | C1206A271(1)2GA(2) |
| 300 | C1206A301(1)2GA(2) |
| 330 | C1206A331(1)2GA(2) |
| 360 | C1206A361(1)2GA(2) |
| 390 | C1206A391(1)2GA(2) |
| 430 | C1206A431(1)2GA(2) |
| 470 | C1206A471(1)2GA(2) |
| 100 VOLT - BP | |
| 510 | C1206A511(1)1GA(2) |
| 560 | C1206A561(1)1GA(2) |
| 620 | C1206A621(1)1GA(2) |
| 680 | C1206A681(1)1GA(2) |
| 750 | C1206A751(1)1GA(2) |
| 820 | C1206A821(1)1GA(2) |
| 910 | C1206A911(1)1GA(2) |
| 1000 | C1206A102(1)1GA(2) |
| 1100 | C1206A112(1)1GA(2) |
| 1200 | C1206A122(1)1GA(2) |
| 1300 | C1206A132(1)1GA(2) |
| 1500 | C1206A152(1)1GA(2) |
| 1600 | C1206A162(1)1GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 50 VOLT - BP | |
| 1800 | C1206A182(1)5GA(2) |
| 2000 | C1206A202(1)5GA(2) |
| 200 VOLT - BX | |
| 470 | C1206A471(1)2XA(2) |
| 560 | C1206A561(1)2XA(2) |
| 680 | C1206A681(1)2XA(2) |
| 820 | C1206A821(1)2XA(2) |
| 1000 | C1206A102(1)2XA(2) |
| 1200 | C1206A122(1)2XA(2) |
| 1500 | C1206A152(1)2XA(2) |
| 1800 | C1206A182(1)2XA(2) |
| 2200 | C1206A222(1)2XA(2) |
| 2700 | C1206A272(1)2XA(2) |
| 3300 | C1206A332(1)2XA(2) |
| 3900 | C1206A392(1)2XA(2) |
| 4700 | C1206A472(1)2XA(2) |
| 100 VOLT - BX | |
| 5600 | C1206A562(1)1XA(2) |
| 6800 | C1206A682(1)1XA(2) |
| 8200 | C1206A822(1)1XA(2) |
| 10,000 | C1206A103(1)1XA(2) |
| 12,000 | C1206A123(1)1XA(2) |
| 15,000 | C1206A153(1)1XA(2) |
| 50 VOLT - BX | |
| 18,000 | C1206A183(1)5XA(2) |
| 22,000 | C1206A223(1)5XA(2) |
| 27,000 | C1206A273(1)5XA(2) |
| 33,000 | C1206A333(1)5XA(2) |
| 39,000 | C1206A393(1)5XA(2) |
| 47,000 | C1206A473(1)5XA(2) |

**RATINGS AND PART NUMBER REFERENCE
STYLE C1210**

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 10.0 | C1210A100(1)2GA(2) |
| 11.0 | C1210A110(1)2GA(2) |
| 12.0 | C1210A120(1)2GA(2) |
| 13.0 | C1210A130(1)2GA(2) |
| 15.0 | C1210A150(1)2GA(2) |
| 16.0 | C1210A160(1)2GA(2) |
| 18.0 | C1210A180(1)2GA(2) |
| 20.0 | C1210A200(1)2GA(2) |
| 22.0 | C1210A220(1)2GA(2) |
| 24.0 | C1210A240(1)2GA(2) |
| 27.0 | C1210A270(1)2GA(2) |
| 30.0 | C1210A300(1)2GA(2) |
| 33.0 | C1210A330(1)2GA(2) |
| 36.0 | C1210A360(1)2GA(2) |
| 39.0 | C1210A390(1)2GA(2) |
| 43.0 | C1210A430(1)2GA(2) |
| 47.0 | C1210A470(1)2GA(2) |
| 51.0 | C1210A510(1)2GA(2) |
| 56.0 | C1210A560(1)2GA(2) |
| 62.0 | C1210A620(1)2GA(2) |
| 68.0 | C1210A680(1)2GA(2) |
| 75.0 | C1210A750(1)2GA(2) |
| 82.0 | C1210A820(1)2GA(2) |
| 91.0 | C1210A910(1)2GA(2) |
| 100 | C1210A101(1)2GA(2) |
| 110 | C1210A111(1)2GA(2) |
| 120 | C1210A121(1)2GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 130 | C1210A131(1)2GA(2) |
| 150 | C1210A151(1)2GA(2) |
| 160 | C1210A161(1)2GA(2) |
| 180 | C1210A181(1)2GA(2) |
| 200 | C1210A201(1)2GA(2) |
| 220 | C1210A221(1)2GA(2) |
| 240 | C1210A241(1)2GA(2) |
| 270 | C1210A271(1)2GA(2) |
| 300 | C1210A301(1)2GA(2) |
| 330 | C1210A331(1)2GA(2) |
| 360 | C1210A361(1)2GA(2) |
| 390 | C1210A391(1)2GA(2) |
| 430 | C1210A431(1)2GA(2) |
| 470 | C1210A471(1)2GA(2) |
| 510 | C1210A511(1)2GA(2) |
| 560 | C1210A561(1)2GA(2) |
| 620 | C1210A621(1)2GA(2) |
| 680 | C1210A681(1)2GA(2) |
| 750 | C1210A751(1)2GA(2) |
| 820 | C1210A821(1)2GA(2) |
| 910 | C1210A911(1)2GA(2) |
| 1000 | C1210A102(1)2GA(2) |

(1) Complete KEMET part number by inserting capacitance tolerance, as applicable as shown in ordering information on page 17.
BP CAPACITANCE TOLERANCE: ±1%, ±2%, ±5%, ±10%, ±20% (±0.5pF & ±0.25pF tolerances available 1.0 thru 10pF only) TEMPERATURE CHARACTERISTIC °G
BX CAPACITANCE TOLERANCE: ±5%, ±10%, ±20% TEMPERATURE CHARACTERISTIC °X
 (2) Complete part number by inserting end Metallization, as applicable as shown in ordering information on page 17.
 C—Tin-Coated, Final (SolderGuard II)
 H—Solder-Coated, Final (SolderGuard I)

**RATINGS AND PART NUMBER REFERENCE
STYLE C1210 (continued)**

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 100 VOLT - BP | |
| 1100 | C1210A112(1)1GA(2) |
| 1200 | C1210A122(1)1GA(2) |
| 1300 | C1210A132(1)1GA(2) |
| 1500 | C1210A152(1)1GA(2) |
| 1600 | C1210A162(1)1GA(2) |
| 1800 | C1210A182(1)1GA(2) |
| 2000 | C1210A202(1)1GA(2) |
| 2200 | C1210A222(1)1GA(2) |
| 2400 | C1210A242(1)1GA(2) |
| 2700 | C1210A272(1)1GA(2) |
| 3000 | C1210A302(1)1GA(2) |
| 3300 | C1210A332(1)1GA(2) |
| 50 VOLT - BP | |
| 3600 | C1210A362(1)5GA(2) |
| 3900 | C1210A392(1)5GA(2) |
| 200 VOLT - BX | |
| 470 | C1210A471(1)2XA(2) |
| 560 | C1210A561(1)2XA(2) |
| 680 | C1210A681(1)2XA(2) |
| 820 | C1210A821(1)2XA(2) |
| 1000 | C1210A102(1)2XA(2) |
| 1200 | C1210A122(1)2XA(2) |
| 1500 | C1210A152(1)2XA(2) |
| 1800 | C1210A182(1)2XA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BX | |
| 2200 | C1210A222(1)2XA(2) |
| 2700 | C1210A272(1)2XA(2) |
| 3300 | C1210A332(1)2XA(2) |
| 3900 | C1210A392(1)2XA(2) |
| 4700 | C1210A472(1)2XA(2) |
| 5600 | C1210A562(1)2XA(2) |
| 6800 | C1210A682(1)2XA(2) |
| 8200 | C1210A822(1)2XA(2) |
| 10,000 | C1210A103(1)2XA(2) |
| 100 VOLT - BX | |
| 12,000 | C1210A123(1)1XA(2) |
| 15,000 | C1210A153(1)1XA(2) |
| 18,000 | C1210A183(1)1XA(2) |
| 22,000 | C1210A223(1)1XA(2) |
| 27,000 | C1210A273(1)1XA(2) |
| 33,000 | C1210A333(1)1XA(2) |
| 50 VOLT - BX | |
| 39,000 | C1210A393(1)5XA(2) |
| 47,000 | C1210A473(1)5XA(2) |
| 56,000 | C1210A563(1)5XA(2) |
| 68,000 | C1210A683(1)5XA(2) |
| 82,000 | C1210A823(1)5XA(2) |
| 100,000 | C1210A104(1)5XA(2) |

**RATINGS AND PART NUMBER REFERENCE
STYLE C1805**

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 220 | C1805A221(1)2GA(2) |
| 240 | C1805A241(1)2GA(2) |
| 270 | C1805A271(1)2GA(2) |
| 300 | C1805A301(1)2GA(2) |
| 330 | C1805A331(1)2GA(2) |
| 360 | C1805A361(1)2GA(2) |
| 390 | C1805A391(1)2GA(2) |
| 430 | C1805A431(1)2GA(2) |
| 470 | C1805A471(1)2GA(2) |
| 100 VOLT - BP | |
| 510 | C1805A511(1)1GA(2) |
| 560 | C1805A561(1)1GA(2) |
| 620 | C1805A621(1)1GA(2) |
| 680 | C1805A681(1)1GA(2) |
| 750 | C1805A751(1)1GA(2) |
| 820 | C1805A821(1)1GA(2) |
| 910 | C1805A911(1)1GA(2) |
| 1000 | C1805A102(1)1GA(2) |
| 1100 | C1805A112(1)1GA(2) |
| 1200 | C1805A122(1)1GA(2) |
| 1300 | C1805A132(1)1GA(2) |
| 1500 | C1805A152(1)1GA(2) |
| 50 VOLT - BP | |
| 1600 | C1805A162(1)5GA(2) |
| 1800 | C1805A182(1)5GA(2) |
| 2000 | C1805A202(1)5GA(2) |
| 2200 | C1805A222(1)5GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BX | |
| 1200 | C1805A122(1)2XA(2) |
| 1500 | C1805A152(1)2XA(2) |
| 1800 | C1805A182(1)2XA(2) |
| 2200 | C1805A222(1)2XA(2) |
| 2700 | C1805A272(1)2XA(2) |
| 3300 | C1805A332(1)2XA(2) |
| 3900 | C1805A392(1)2XA(2) |
| 100 VOLT - BX | |
| 4700 | C1805A472(1)1XA(2) |
| 5600 | C1805A562(1)1XA(2) |
| 6800 | C1805A682(1)1XA(2) |
| 8200 | C1805A822(1)1XA(2) |
| 10,000 | C1805A103(1)1XA(2) |
| 12,000 | C1805A123(1)1XA(2) |
| 15,000 | C1805A153(1)1XA(2) |
| 18,000 | C1805A183(1)1XA(2) |
| 50 VOLT - BX | |
| 18,000 | C1805A183(1)5XA(2) |
| 22,000 | C1805A223(1)5XA(2) |
| 27,000 | C1805A273(1)5XA(2) |
| 33,000 | C1805A333(1)5XA(2) |
| 39,000 | C1805A393(1)5XA(2) |
| 47,000 | C1805A473(1)5XA(2) |

(1) Complete KEMET part number by inserting capacitance tolerance, as applicable as shown in ordering information on page 17.

BP CAPACITANCE TOLERANCE: ±1%, ±2%, ±5%, ±10%, ±20% (±0.5pF & ±0.25pF tolerances available 1.0 thru 10pF only) **TEMPERATURE CHARACTERISTIC "G"**

BX CAPACITANCE TOLERANCE: ±5%, ±10%, ±20% **TEMPERATURE CHARACTERISTIC "X"**

(2) Complete part number by inserting end Metallization, as applicable as shown in ordering information on page 17.

C—Tin-Coated, Final (SolderGuard II) H—Solder-Coated, Final (SolderGuard I)

**RATINGS AND PART NUMBER REFERENCE
STYLE C1808**

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 330 | C1808A331(1)2GA(2) |
| 360 | C1808A361(1)2GA(2) |
| 390 | C1808A391(1)2GA(2) |
| 430 | C1808A431(1)2GA(2) |
| 470 | C1808A471(1)2GA(2) |
| 510 | C1808A511(1)2GA(2) |
| 560 | C1808A561(1)2GA(2) |
| 620 | C1808A621(1)2GA(2) |
| 680 | C1808A681(1)2GA(2) |
| 750 | C1808A751(1)2GA(2) |
| 820 | C1808A821(1)2GA(2) |
| 910 | C1808A911(1)2GA(2) |
| 1000 | C1808A102(1)2GA(2) |
| 1100 | C1808A112(1)2GA(2) |
| 1200 | C1808A122(1)2GA(2) |
| 1300 | C1808A132(1)2GA(2) |
| 1500 | C1808A152(1)2GA(2) |
| 100 VOLT - BP | |
| 1600 | C1808A162(1)1GA(2) |
| 1800 | C1808A182(1)1GA(2) |
| 2000 | C1808A202(1)1GA(2) |
| 2200 | C1808A222(1)1GA(2) |
| 2400 | C1808A242(1)1GA(2) |
| 2700 | C1808A272(1)1GA(2) |
| 3000 | C1808A302(1)1GA(2) |
| 3300 | C1808A332(1)1GA(2) |
| 3600 | C1808A362(1)1GA(2) |
| 3900 | C1808A392(1)1GA(2) |
| 4300 | C1808A432(1)1GA(2) |
| 4700 | C1808A472(1)1GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 50 VOLT - BP | |
| 5100 | C1808A512(1)5GA(2) |
| 5600 | C1808A562(1)5GA(2) |
| 200 VOLT - BX | |
| 2200 | C1808A222(1)2XA(2) |
| 2700 | C1808A272(1)2XA(2) |
| 3300 | C1808A332(1)2XA(2) |
| 3900 | C1808A392(1)2XA(2) |
| 4700 | C1808A472(1)2XA(2) |
| 5600 | C1808A562(1)2XA(2) |
| 6800 | C1808A682(1)2XA(2) |
| 8200 | C1808A822(1)2XA(2) |
| 10,000 | C1808A103(1)2XA(2) |
| 100 VOLT - BX | |
| 12,000 | C1808A123(1)1XA(2) |
| 15,000 | C1808A153(1)1XA(2) |
| 18,000 | C1808A183(1)1XA(2) |
| 22,000 | C1808A223(1)1XA(2) |
| 27,000 | C1808A273(1)1XA(2) |
| 33,000 | C1808A333(1)1XA(2) |
| 39,000 | C1808A393(1)1XA(2) |
| 47,000 | C1808A473(1)1XA(2) |
| 50 VOLT - BX | |
| 39,000 | C1808A393(1)5XA(2) |
| 47,000 | C1808A473(1)5XA(2) |
| 56,000 | C1808A563(1)5XA(2) |
| 68,000 | C1808A683(1)5XA(2) |
| 82,000 | C1808A823(1)5XA(2) |
| 100,000 | C1808A104(1)5XA(2) |

**RATINGS AND PART NUMBER REFERENCE
STYLE C1812**

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 330 | C1812A331(1)2GA(2) |
| 360 | C1812A361(1)2GA(2) |
| 390 | C1812A391(1)2GA(2) |
| 430 | C1812A431(1)2GA(2) |
| 470 | C1812A471(1)2GA(2) |
| 510 | C1812A511(1)2GA(2) |
| 560 | C1812A561(1)2GA(2) |
| 620 | C1812A621(1)2GA(2) |
| 680 | C1812A681(1)2GA(2) |
| 750 | C1812A751(1)2GA(2) |
| 820 | C1812A821(1)2GA(2) |
| 910 | C1812A911(1)2GA(2) |
| 1000 | C1812A102(1)2GA(2) |
| 1100 | C1812A112(1)2GA(2) |
| 1200 | C1812A122(1)2GA(2) |
| 1300 | C1812A132(1)2GA(2) |
| 1500 | C1812A152(1)2GA(2) |
| 1600 | C1812A162(1)2GA(2) |
| 1800 | C1812A182(1)2GA(2) |
| 2000 | C1812A202(1)2GA(2) |
| 2200 | C1812A222(1)2GA(2) |
| 2400 | C1812A242(1)2GA(2) |
| 2700 | C1812A272(1)2GA(2) |
| 100 VOLT - BP | |
| 3000 | C1812A302(1)1GA(2) |
| 3300 | C1812A332(1)1GA(2) |
| 3600 | C1812A362(1)1GA(2) |
| 3900 | C1812A392(1)1GA(2) |
| 4300 | C1812A432(1)1GA(2) |
| 4700 | C1812A472(1)1GA(2) |
| 5100 | C1812A512(1)1GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 100 VOLT - BP | |
| 5600 | C1812A562(1)1GA(2) |
| 6200 | C1812A622(1)1GA(2) |
| 6800 | C1812A682(1)1GA(2) |
| 50 VOLT - BP | |
| 7500 | C1812A752(1)5GA(2) |
| 8200 | C1812A822(1)5GA(2) |
| 9100 | C1812A912(1)5GA(2) |
| 10,000 | C1812A103(1)5GA(2) |
| 200 VOLT - BX | |
| 6800 | C1812A682(1)2XA(2) |
| 8200 | C1812A822(1)2XA(2) |
| 10,000 | C1812A103(1)2XA(2) |
| 12,000 | C1812A123(1)2XA(2) |
| 15,000 | C1812A153(1)2XA(2) |
| 18,000 | C1812A183(1)2XA(2) |
| 100 VOLT - BX | |
| 22,000 | C1812A223(1)1XA(2) |
| 27,000 | C1812A273(1)1XA(2) |
| 33,000 | C1812A333(1)1XA(2) |
| 39,000 | C1812A393(1)1XA(2) |
| 47,000 | C1812A473(1)1XA(2) |
| 56,000 | C1812A563(1)1XA(2) |
| 68,000 | C1812A683(1)1XA(2) |
| 82,000 | C1812A823(1)1XA(2) |
| 50 VOLT - BX | |
| 82,000 | C1812A823(1)5XA(2) |
| 100,000 | C1812A104(1)5XA(2) |
| 120,000 | C1812A124(1)5XA(2) |
| 150,000 | C1812A154(1)5XA(2) |
| 180,000 | C1812A184(1)5XA(2) |

(1) Complete KEMET part number by inserting capacitance tolerance, as applicable as shown in ordering information on page 17. **BP CAPACITANCE TOLERANCE:** ±1%, ±2%, ±5%, ±10%, ±20% (±0.5pF & ±0.25pF tolerances available 1.0 thru 10pF only) **TEMPERATURE CHARACTERISTIC "G" BX CAPACITANCE TOLERANCE:** ±5%, ±10%, ±20% **TEMPERATURE CHARACTERISTIC "X"** (2) Complete part number by inserting end Metallization, as applicable as shown in ordering information on page 17.
C—Tin-Coated, Final (SolderGuard II) H—Solder-Coated, Final (SolderGuard I)

**RATINGS AND PART NUMBER REFERENCE
STYLE C1825**

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 2700 | C1825A272(1)2GA(2) |
| 3000 | C1825A302(1)2GA(2) |
| 3300 | C1825A332(1)2GA(2) |
| 3600 | C1825A362(1)2GA(2) |
| 3900 | C1825A392(1)2GA(2) |
| 4300 | C1825A432(1)2GA(2) |
| 4700 | C1825A472(1)2GA(2) |
| 5100 | C1825A512(1)2GA(2) |
| 5600 | C1825A562(1)2GA(2) |
| 100 VOLT - BP | |
| 6200 | C1825A622(1)1GA(2) |
| 6800 | C1825A682(1)1GA(2) |
| 7500 | C1825A752(1)1GA(2) |
| 8200 | C1825A822(1)1GA(2) |
| 9100 | C1825A912(1)1GA(2) |
| 10,000 | C1825A103(1)1GA(2) |
| 11,000 | C1825A113(1)1GA(2) |
| 12,000 | C1825A123(1)1GA(2) |
| 13,000 | C1825A133(1)1GA(2) |
| 15,000 | C1825A153(1)1GA(2) |
| 16,000 | C1825A163(1)1GA(2) |
| 18,000 | C1825A183(1)1GA(2) |
| 50 VOLT - BP | |
| 20,000 | C1825A203(1)5GA(2) |
| 22,000 | C1825A223(1)5GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BX | |
| 10,000 | C1825A103(1)2XA(2) |
| 12,000 | C1825A123(1)2XA(2) |
| 15,000 | C1825A153(1)2XA(2) |
| 18,000 | C1825A183(1)2XA(2) |
| 22,000 | C1825A223(1)2XA(2) |
| 33,000 | C1825A333(1)2XA(2) |
| 39,000 | C1825A393(1)2XA(2) |
| 47,000 | C1825A473(1)2XA(2) |
| 100 VOLT - BX | |
| 56,000 | C1825A563(1)1XA(2) |
| 68,000 | C1825A683(1)1XA(2) |
| 82,000 | C1825A823(1)1XA(2) |
| 100,000 | C1825A104(1)1XA(2) |
| 120,000 | C1825A124(1)1XA(2) |
| 150,000 | C1825A154(1)1XA(2) |
| 180,000 | C1825A184(1)1XA(2) |
| 50 VOLT - BX | |
| 180,000 | C1825A184(1)5XA(2) |
| 220,000 | C1825A224(1)5XA(2) |
| 270,000 | C1825A274(1)5XA(2) |
| 330,000 | C1825A334(1)5XA(2) |
| 390,000 | C1825A394(1)5XA(2) |
| 470,000 | C1825A474(1)5XA(2) |

**RATINGS AND PART NUMBER REFERENCE
STYLE C2225**

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BP | |
| 2700 | C2225A272(1)2GA(2) |
| 3000 | C2225A302(1)2GA(2) |
| 3300 | C2225A332(1)2GA(2) |
| 3600 | C2225A362(1)2GA(2) |
| 3900 | C2225A392(1)2GA(2) |
| 4300 | C2225A432(1)2GA(2) |
| 4700 | C2225A472(1)2GA(2) |
| 5100 | C2225A512(1)2GA(2) |
| 5600 | C2225A562(1)2GA(2) |
| 6200 | C2225A622(1)2GA(2) |
| 6800 | C2225A682(1)2GA(2) |
| 7500 | C2225A752(1)2GA(2) |
| 8200 | C2225A822(1)2GA(2) |
| 100 VOLT - BP | |
| 9100 | C2225A912(1)1GA(2) |
| 10,000 | C2225A103(1)1GA(2) |
| 11,000 | C2225A113(1)1GA(2) |
| 12,000 | C2225A123(1)1GA(2) |
| 13,000 | C2225A133(1)1GA(2) |
| 15,000 | C2225A153(1)1GA(2) |
| 16,000 | C2225A163(1)1GA(2) |
| 18,000 | C2225A183(1)1GA(2) |
| 20,000 | C2225A203(1)1GA(2) |
| 22,000 | C2225A223(1)1GA(2) |
| 50 VOLT - BP | |
| 24,000 | C2225A243(1)5GA(2) |
| 27,000 | C2225A273(1)5GA(2) |
| 33,000 | C2225A333(1)5GA(2) |

| CAPACITANCE pF | KEMET PART NUMBER |
|----------------------|----------------------|
| 200 VOLT - BX | |
| 18,000 | C2225A183(1)2XA(2) |
| 22,000 | C2225A223(1)2XA(2) |
| 27,000 | C2225A273(1)2XA(2) |
| 33,000 | C2225A333(1)2XA(2) |
| 39,000 | C2225A393(1)2XA(2) |
| 47,000 | C2225A473(1)2XA(2) |
| 100 VOLT - BX | |
| 56,000 | C2225A563(1)1XA(2) |
| 68,000 | C2225A683(1)1XA(2) |
| 82,000 | C2225A823(1)1XA(2) |
| 100,000 | C2225A104(1)1XA(2) |
| 120,000 | C2225A124(1)1XA(2) |
| 150,000 | C2225A154(1)1XA(2) |
| 180,000 | C2225A184(1)1XA(2) |
| 50 VOLT - BX | |
| 220,000 | C2225A224(1)5XA(2) |
| 270,000 | C2225A274(1)5XA(2) |
| 330,000 | C2225A334(1)5XA(2) |
| 390,000 | C2225A394(1)5XA(2) |
| 470,000 | C2225A474(1)5XA(2) |
| 560,000 | C2225A564(1)5XA(2) |
| 680,000 | C2225A684(1)5XA(2) |
| 820,000 | C2225A824(1)5XA(2) |
| 1,000,000 | C2225A105(1)5XA(2) |

(1) Complete KEMET part number by inserting capacitance tolerance, as applicable as shown in ordering information on page 17. **BP CAPACITANCE TOLERANCE:** ±1%, ±2%, ±5%, ±10%, ±20% (±0.5pF & ±0.25pF tolerances available 1.0 thru 10pF only) **TEMPERATURE CHARACTERISTIC "G" BX CAPACITANCE TOLERANCE:** ±5%, ±10%, ±20% **TEMPERATURE CHARACTERISTIC "X"**

(2) Complete part number by inserting end Metallization, as applicable as shown in ordering information on page 17.

C—Tin-Coated, Final (SolderGuard II)

H—Solder-Coated, Final (SolderGuard I)