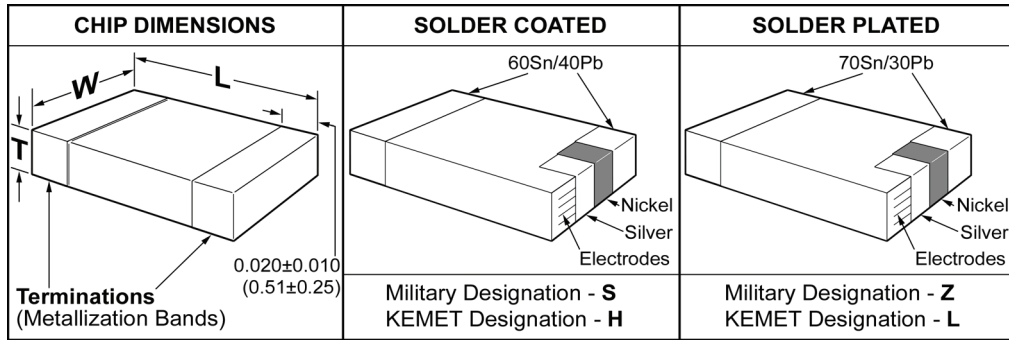


CAPACITOR OUTLINE DRAWINGS



NOTE: For solder coated termination, add 0.015" (0.38mm) to the positive width and thickness tolerances. Add the following to the positive length tolerance: **CKS51** - 0.020" (0.51mm); **CKS52, CKS53 and CKS54** - 0.025 (0.64mm); add 0.012" (0.30mm) to the bandwidth tolerance.

DIMENSIONS — INCHES

| Chip Size | Military Equivalent Styles | L Length | W Width | T Thickness Maximum |
|-----------|----------------------------|---------------|---------------|---------------------|
| 0805 | CKS51 | 0.080 ± 0.015 | 0.050 ± 0.015 | 0.055 |
| 1210 | CKS52 | 0.120 ± 0.015 | 0.100 ± 0.015 | 0.065 |
| 1808 | CKS53 | 0.180 ± 0.015 | 0.080 ± 0.015 | 0.065 |
| 2225 | CKS54 | 0.220 ± 0.015 | 0.250 ± 0.015 | 0.070 |
| 1206 | CKS55 | 0.120 ± 0.015 | 0.060 ± 0.015 | 0.065 |
| 1812 | CKS56 | 0.180 ± 0.015 | 0.125 ± 0.015 | 0.080 |
| 1825 | CKS57 | 0.180 ± 0.015 | 0.250 ± 0.015 | 0.080 |

MARKING

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

KEMET ORDERING INFORMATION

Ceramic Chip Size

0805, 1206, 1210, 1808, 1812, 1825, 2225

Specification

Z — Mil-PRF-123

Capacitance Picofarad Code

First two digits represent significant figures.
Third digit specifies number of zeros to follow.

Capacitance Tolerance

C — ±0.25pF J — ±5%
D — ±0.5 pF K — ±10%
F — ±1%

Working Voltage

5 — 50; 1 — 100

Termination
H = Nickel Guarded, Solder-Coated (Sn60)
L = 70/30 Tin/Lead Plated

Failure Rate
(%/1000 Hours)
A - Standard — Not Applicable

Temperature Characteristic

| KEMET Designator | Military Equivalent | Temp. Range, °C | Measured Without DC Bias Voltage | Measured With Bias (Rated Voltage) |
|------------------|---------------------|-----------------|----------------------------------|------------------------------------|
| G (Ultra Stable) | BP | -55 to +125 | ±30 ppm °C | ±30 ppm °C |
| X (Stable) | BX | -55 to +125 | ±15% | +15% -25% |

Military Specification Number

Modification Number

Indicates the latest characteristics of the part in the specification sheet

MIL-PRF-123 Slash Sheet Number

| Slash Sheet # | KEMET Style | MIL-PRF-123 Style |
|---------------|-------------|-------------------|
| 10 | C0805 | CKS51 |
| 11 | C1210 | CKS52 |
| 12 | C1808 | CKS53 |
| 13 | C2225 | CKS54 |
| 21 | C1206 | CKS55 |
| 22 | C1812 | CKS56 |
| 23 | C1825 | CKS57 |

Termination
Z = 70/30 Tin Lead Plated
S = Nickel guarded Solder-coated (Sn60)

Tolerance
C = ±0.25pF; D = ±0.5pF;
F = ±1%; J = ±5%; K = ± 10%

Capacitance Picofarad Code

Voltage
B = 50; C = 100

Temperature Characteristic

| KEMET Designator | Military Equivalent | Temp. Range, °C | Capacitance Change with Temperature | |
|------------------|---------------------|-----------------|-------------------------------------|------------------------------------|
| | | | Measured Without DC Bias Voltage | Measured With Bias (Rated Voltage) |
| G (UltraStable) | BP | -55 to 125 | ±30 ppm°C | ±30 ppm°C |
| X (Stable) | BX | -55 to +125 | ±15% | +15% -25% |

RATINGS AND PART NUMBER REFERENCE

| CAP. pF | KEMET PART NUMBER | MIL-PRF-123 PART NUMBER | CAP. pF | KEMET PART NUMBER | MIL-PRF-123 PART NUMBER | CAP. pF | KEMET PART NUMBER | MIL-PRF-123 PART NUMBER |
|--|----------------------|-------------------------|---|----------------------|-------------------------|---|----------------------|-------------------------|
| 50/100 VOLT- BP-C0805 SIZE (MILITARY CKS51) | | | 50 VOLT-BP-C0805 SIZE (MILITARY CKS51) | | | 50/100 VOLT-BP-C1808 SIZE (MILITARY CKS53) | | |
| 1.0 | C0805Z109(1)(8)GA(9) | M123A10BP(7)1R0(1)(10) | 510.0 | C0805Z51(3)5GA(9) | M123A10BPB511(3)(10) | 300.0 | C1808Z301(3)(8)GA(9) | M123A12BP(7)301(3)(10) |
| 1.1 | C0805Z119(1)(8)GA(9) | M123A10BP(7)1R1(1)(10) | 560.0 | C0805Z561(3)5GA(9) | M123A10BPB561(3)(10) | 330.0 | C1808Z331(3)(8)GA(9) | M123A12BP(7)331(3)(10) |
| 1.2 | C0805Z129(1)(8)GA(9) | M123A10BP(7)1R2(1)(10) | 620.0 | C0805Z621(3)5GA(9) | M123A10BPB621(3)(10) | 360.0 | C1808Z361(3)(8)GA(9) | M123A12BP(7)361(3)(10) |
| 1.3 | C0805Z139(1)(8)GA(9) | M123A10BP(7)1R3(1)(10) | 680.0 | C0805Z681(3)5GA(9) | M123A10BPB681(3)(10) | 390.0 | C1808Z391(3)(8)GA(9) | M123A12BP(7)391(3)(10) |
| 1.5 | C0805Z159(1)(8)GA(9) | M123A10BP(7)1R5(1)(10) | 50/100 VOLT-BX-C0805 SIZE (MILITARY CKS51) | | | 430.0 | C1808Z431(3)(8)GA(9) | M123A12BP(7)431(3)(10) |
| 1.6 | C0805Z169(1)(8)GA(9) | M123A10BP(7)1R6(1)(10) | 330.0 | C0805Z331K(8)XA(9) | M123A10BX(7)331K(10) | 470.0 | C1808Z471(3)(8)GA(9) | M123A12BP(7)471(3)(10) |
| 1.8 | C0805Z189(1)(8)GA(9) | M123A10BP(7)1R8(1)(10) | 390.0 | C0805Z391K(8)XA(9) | M123A10BX(7)391K(10) | 510.0 | C1808Z511(3)(8)GA(9) | M123A12BP(7)511(3)(10) |
| 2.0 | C0805Z209(1)(8)GA(9) | M123A10BP(7)2R1(1)(10) | 470.0 | C0805Z471K(8)XA(9) | M123A10BX(7)471K(10) | 560.0 | C1808Z561(3)(8)GA(9) | M123A12BP(7)561(3)(10) |
| 2.2 | C0805Z229(1)(8)GA(9) | M123A10BP(7)2R2(1)(10) | 560.0 | C0805Z561K(8)XA(9) | M123A10BX(7)561K(10) | 620.0 | C1808Z621(3)(8)GA(9) | M123A12BP(7)621(3)(10) |
| 2.4 | C0805Z249(1)(8)GA(9) | M123A10BP(7)2R4(1)(10) | 680.0 | C0805Z681K(8)XA(9) | M123A10BX(7)681K(10) | 680.0 | C1808Z681(3)(8)GA(9) | M123A12BP(7)681(3)(10) |
| 2.7 | C0805Z279(1)(8)GA(9) | M123A10BP(7)2R7(1)(10) | 820.0 | C0805Z821K(8)XA(9) | M123A10BX(7)821K(10) | 750.0 | C1808Z751(3)(8)GA(9) | M123A12BP(7)751(3)(10) |
| 3.0 | C0805Z309(1)(8)GA(9) | M123A10BP(7)3R0(1)(10) | 1,000.0 | C0805Z102K(8)XA(9) | M123A10BX(7)102K(10) | 820.0 | C1808Z821(3)(8)GA(9) | M123A12BP(7)821(3)(10) |
| 3.3 | C0805Z339(1)(8)GA(9) | M123A10BP(7)3R3(1)(10) | 1,200.0 | C0805Z122K(8)XA(9) | M123A10BX(7)122K(10) | 910.0 | C1808Z911(3)(8)GA(9) | M123A12BP(7)911(3)(10) |
| 3.6 | C0805Z369(1)(8)GA(9) | M123A10BP(7)3R6(1)(10) | 1,500.0 | C0805Z152K(8)XA(9) | M123A10BX(7)152K(10) | 1,000.0 | C1808Z102(3)(8)GA(9) | M123A12BP(7)102(3)(10) |
| 3.9 | C0805Z399(1)(8)GA(9) | M123A10BP(7)3R9(1)(10) | 1,800.0 | C0805Z182K(8)XA(9) | M123A10BX(7)182K(10) | 50/100 VOLT-BX-C1808 SIZE (MILITARY CKS53) | | |
| 4.3 | C0805Z439(1)(8)GA(9) | M123A10BP(7)4R3(1)(10) | 2,200.0 | C0805Z222K(8)XA(9) | M123A10BX(7)222K(10) | 5,600.0 | C1808Z562K(8)XA(9) | M123A12BX(7)562K(10) |
| 4.7 | C0805Z479(1)(8)GA(9) | M123A10BP(7)4R7(1)(10) | 2,700.0 | C0805Z272K(8)XA(9) | M123A10BX(7)272K(10) | 6,800.0 | C1808Z682K(8)XA(9) | M123A12BX(7)682K(10) |
| 5.1 | C0805Z519(1)(8)GA(9) | M123A10BP(7)5R1(1)(10) | 3,300.0 | C0805Z332K(8)XA(9) | M123A10BX(7)332K(10) | 8,200.0 | C1808Z822K(8)XA(9) | M123A12BX(7)822K(10) |
| 5.6 | C0805Z569(1)(8)GA(9) | M123A10BP(7)5R6(1)(10) | 3,900.0 | C0805Z392K(8)XA(9) | M123A10BX(7)392K(10) | 10,000.0 | C1808Z103K(8)XA(9) | M123A12BX(7)103K(10) |
| 6.2 | C0805Z629(1)(8)GA(9) | M123A10BP(7)6R2(1)(10) | 4,700.0 | C0805Z472K(8)XA(9) | M123A10BX(7)472K(10) | 12,000.0 | C1808Z123K(8)XA(9) | M123A12BX(7)123K(10) |
| 6.8 | C0805Z689(1)(8)GA(9) | M123A10BP(7)6R8(1)(10) | 50 VOLT-BX-C0805 SIZE (MILITARY CKS51) | | | 15,000.0 | C1808Z153K(8)XA(9) | M123A12BX(7)153K(10) |
| 7.5 | C0805Z759(1)(8)GA(9) | M123A10BP(7)7R5(1)(10) | 5,600.0 | C0805Z562K5XA(9) | M123A10BXBX562K(10) | 18,000.0 | C1808Z183K(8)XA(9) | M123A12BX(7)183K(10) |
| 8.2 | C0805Z829(1)(8)GA(9) | M123A10BP(7)8R2(1)(10) | 6,800.0 | C0805Z682K5XA(9) | M123A10BXBX682K(10) | 22,000.0 | C1808Z223K(8)XA(9) | M123A12BX(7)223K(10) |
| 9.1 | C0805Z919(1)(8)GA(9) | M123A10BP(7)9R1(1)(10) | 8,200.0 | C0805Z822K5XA(9) | M123A10BXBX822K(10) | 27,000.0 | C1808Z273K(8)XA(9) | M123A12BX(7)273K(10) |
| 10.0 | C0805Z100(2)(8)GA(9) | M123A10BP(7)100(2)(10) | 10,000.0 | C0805Z103K5XA(9) | M123A10BXBX103K(10) | 33,000.0 | C1808Z333K(8)XA(9) | M123A12BX(7)333K(10) |
| 11.0 | C0805Z110(2)(8)GA(9) | M123A10BP(7)110(2)(10) | 12,000.0 | C0805Z123K5XA(9) | M123A10BXBX123K(10) | 50 VOLT-BX-C1808 SIZE (MILITARY CKS53) | | |
| 12.0 | C0805Z120(2)(8)GA(9) | M123A10BP(7)120(2)(10) | 15,000.0 | C0805Z153K5XA(9) | M123A10BXBX153K(10) | 39,000.0 | C1808Z393K5XA(9) | M123A12BXBX393K(10) |
| 13.0 | C0805Z130(2)(8)GA(9) | M123A10BP(7)130(2)(10) | 18,000.0 | C0805Z183K5XA(9) | M123A10BXBX183K(10) | 47,000.0 | C1808Z473K5XA(9) | M123A12BXBX473K(10) |
| 15.0 | C0805Z150(2)(8)GA(9) | M123A10BP(7)150(2)(10) | 50/100 VOLT-BP-C1210 SIZE (MILITARY CKS52) | | | 56,000.0 | C1808Z563K5XA(9) | M123A12BXBX563K(10) |
| 16.0 | C0805Z160(2)(8)GA(9) | M123A10BP(7)160(2)(10) | 300.0 | C1210Z301(3)(8)GA(9) | M123A11BP(7)301(3)(10) | 68,000.0 | C1808Z683K5XA(9) | M123A12BXBX683K(10) |
| 18.0 | C0805Z180(2)(8)GA(9) | M123A10BP(7)180(2)(10) | 330.0 | C1210Z331(3)(8)GA(9) | M123A11BP(7)331(3)(10) | 82,000.0 | C1808Z823K5XA(9) | M123A12BXBX823K(10) |
| 20.0 | C0805Z200(2)(8)GA(9) | M123A10BP(7)200(2)(10) | 360.0 | C1210Z361(3)(8)GA(9) | M123A11BP(7)361(3)(10) | 100,000.0 | C1808Z104K5XA(9) | M123A12BXBX104K(10) |
| 22.0 | C0805Z220(2)(8)GA(9) | M123A10BP(7)220(2)(10) | 390.0 | C1210Z391(3)(8)GA(9) | M123A11BP(7)391(3)(10) | 50 VOLT-BP-C2255 SIZE (MILITARY CKS54) | | |
| 24.0 | C0805Z240(2)(8)GA(9) | M123A10BP(7)240(2)(10) | 430.0 | C1210Z431(3)(8)GA(9) | M123A11BP(7)431(3)(10) | 1,100.0 | C2225Z112(3)5GA(9) | M123A13BPB112(3)(10) |
| 27.0 | C0805Z270(3)(8)GA(9) | M123A10BP(7)270(3)(10) | 470.0 | C1210Z471(3)(8)GA(9) | M123A11BP(7)471(3)(10) | 1,200.0 | C2225Z122(3)5GA(9) | M123A13BPB122(3)(10) |
| 30.0 | C0805Z300(3)(8)GA(9) | M123A10BP(7)300(3)(10) | 510.0 | C1210Z511(3)(8)GA(9) | M123A11BP(7)511(3)(10) | 1,300.0 | C2225Z132(3)5GA(9) | M123A13BPB132(3)(10) |
| 33.0 | C0805Z330(3)(8)GA(9) | M123A10BP(7)330(3)(10) | 560.0 | C1210Z561(3)(8)GA(9) | M123A11BP(7)561(3)(10) | 1,500.0 | C2225Z152(3)5GA(9) | M123A13BPB152(3)(10) |
| 36.0 | C0805Z360(3)(8)GA(9) | M123A10BP(7)360(3)(10) | 620.0 | C1210Z621(3)(8)GA(9) | M123A11BP(7)621(3)(10) | 1,600.0 | C2225Z162(3)5GA(9) | M123A13BPB162(3)(10) |
| 39.0 | C0805Z390(3)(8)GA(9) | M123A10BP(7)390(3)(10) | 680.0 | C1210Z681(3)(8)GA(9) | M123A11BP(7)681(3)(10) | 1,800.0 | C2225Z182(3)5GA(9) | M123A13BPB182(3)(10) |
| 43.0 | C0805Z430(3)(8)GA(9) | M123A10BP(7)430(3)(10) | 750.0 | C1210Z751(3)(8)GA(9) | M123A11BP(7)751(3)(10) | 2,000.0 | C2225Z202(3)5GA(9) | M123A13BPB202(3)(10) |
| 47.0 | C0805Z470(3)(8)GA(9) | M123A10BP(7)470(3)(10) | 820.0 | C1210Z821(3)(8)GA(9) | M123A11BP(7)821(3)(10) | 2,200.0 | C2225Z222(3)5GA(9) | M123A13BPB222(3)(10) |
| 51.0 | C0805Z510(3)(8)GA(9) | M123A10BP(7)510(3)(10) | 910.0 | C1210Z911(3)(8)GA(9) | M123A11BP(7)911(3)(10) | 2,400.0 | C2225Z242(3)5GA(9) | M123A13BPB242(3)(10) |
| 56.0 | C0805Z560(3)(8)GA(9) | M123A10BP(7)560(3)(10) | 1,000.0 | C1210Z102(3)(8)GA(9) | M123A11BP(7)102(3)(10) | 2,700.0 | C2225Z272(3)5GA(9) | M123A13BPB272(3)(10) |
| 62.0 | C0805Z620(3)(8)GA(9) | M123A10BP(7)620(3)(10) | 1,100.0 | C1210Z112(3)(8)GA(9) | M123A11BP(7)112(3)(10) | 3,000.0 | C2225Z302(3)5GA(9) | M123A13BPB302(3)(10) |
| 68.0 | C0805Z680(3)(8)GA(9) | M123A10BP(7)680(3)(10) | 1,200.0 | C1210Z122(3)(8)GA(9) | M123A11BP(7)122(3)(10) | 3,300.0 | C2225Z332(3)5GA(9) | M123A13BPB332(3)(10) |
| 75.0 | C0805Z750(3)(8)GA(9) | M123A10BP(7)750(3)(10) | 1,300.0 | C1210Z132(3)(8)GA(9) | M123A11BP(7)132(3)(10) | 3,600.0 | C2225Z362(3)5GA(9) | M123A13BPB362(3)(10) |
| 82.0 | C0805Z820(3)(8)GA(9) | M123A10BP(7)820(3)(10) | 1,500.0 | C1210Z152(3)(8)GA(9) | M123A11BP(7)152(3)(10) | 3,900.0 | C2225Z392(3)5GA(9) | M123A13BPB392(3)(10) |
| 91.0 | C0805Z910(3)(8)GA(9) | M123A10BP(7)910(3)(10) | 1,600.0 | C1210Z162(3)(8)GA(9) | M123A11BP(7)162(3)(10) | 4,300.0 | C2225Z432(3)5GA(9) | M123A13BPB432(3)(10) |
| 100.0 | C0805Z101(3)(8)GA(9) | M123A10BP(7)101(3)(10) | 1,800.0 | C1210Z182(3)(8)GA(9) | M123A11BP(7)182(3)(10) | 4,700.0 | C2225Z472(3)5GA(9) | M123A13BPB472(3)(10) |
| 110.0 | C0805Z111(3)(8)GA(9) | M123A10BP(7)111(3)(10) | 2,000.0 | C1210Z202(3)(8)GA(9) | M123A11BP(7)202(3)(10) | 5,100.0 | C2225Z512(3)5GA(9) | M123A13BPB512(3)(10) |
| 120.0 | C0805Z121(3)(8)GA(9) | M123A10BP(7)121(3)(10) | 2,200.0 | C1210Z222(3)(8)GA(9) | M123A11BP(7)222(3)(10) | 5,600.0 | C2225Z562(3)5GA(9) | M123A13BPB562(3)(10) |
| 130.0 | C0805Z131(3)(8)GA(9) | M123A10BP(7)131(3)(10) | 50 VOLT-BX-C1210 SIZE (MILITARY CKS52) | | | 6,200.0 | C2225Z622(3)5GA(9) | M123A13BPB622(3)(10) |
| 150.0 | C0805Z151(3)(8)GA(9) | M123A10BP(7)151(3)(10) | 2,400.0 | C1210Z242(3)5GA(9) | M123A11BPB242(3)(10) | 6,800.0 | C2225Z682(3)5GA(9) | M123A13BPB682(3)(10) |
| 160.0 | C0805Z161(3)(8)GA(9) | M123A10BP(7)161(3)(10) | 2,700.0 | C1210Z272(3)5GA(9) | M123A11BPB272(3)(10) | 7,500.0 | C2225Z752(3)5GA(9) | M123A13BPB752(3)(10) |
| 180.0 | C0805Z181(3)(8)GA(9) | M123A10BP(7)181(3)(10) | 3,000.0 | C1210Z302(3)5GA(9) | M123A11BPB302(3)(10) | 8,200.0 | C2225Z822(3)5GA(9) | M123A13BPB822(3)(10) |
| 200.0 | C0805Z201(3)(8)GA(9) | M123A10BP(7)201(3)(10) | 3,300.0 | C1210Z332(3)5GA(9) | M123A11BPB332(3)(10) | 9,100.0 | C2225Z912(3)5GA(9) | M123A13BPB912(3)(10) |
| 220.0 | C0805Z221(3)(8)GA(9) | M123A10BP(7)221(3)(10) | 50/100 VOLT-BX-C1210 SIZE (MILITARY CKS52) | | | 10,000.0 | C2225Z103(3)5GA(9) | M123A13BPB103(3)(10) |
| 240.0 | C0805Z241(3)(8)GA(9) | M123A10BP(7)241(3)(10) | 5,600.0 | C1210Z562(6)(8)XA(9) | M123A11BX(7)562(6)(10) | 50 VOLT-BP-C2255 SIZE (MILITARY CKS54) | | |
| 270.0 | C0805Z271(3)(8)GA(9) | M123A10BP(7)271(3)(10) | 6,800.0 | C1210Z682(6)(8)XA(9) | M123A11BX(7)682(6)(10) | 120,000.0 | C2225Z124K5XA(9) | M123A13BxB124K(10) |
| 300.0 | C0805Z301(3)(8)GA(9) | M123A10BP(7)301(3)(10) | 8,200.0 | C1210Z822(6)(8)XA(9) | M123A11BX(7)822(6)(10) | 150,000.0 | C2225Z154K5XA(9) | M123A13BxB154K(10) |
| 330.0 | C0805Z331(3)(8)GA(9) | M123A10BP(7)331(3)(10) | 10,000.0 | C1210Z103(6)(8)XA(9) | M123A11BX(7)103(6)(10) | 180,000.0 | C2225Z184K5XA(9) | M123A13BxB184K(10) |
| 360.0 | C0805Z361(3)(8)GA(9) | M123A10BP(7)361(3)(10) | 12,000.0 | C1210Z123(6)(8)XA(9) | M123A11BX(7)123(6)(10) | 220,000.0 | C2225Z224K5XA(9) | M123A13BxB224K(10) |
| 390.0 | C0805Z391(3)(8)GA(9) | M123A10BP(7)391(3)(10) | 15,000.0 | C1210Z153(6)(8)XA(9) | M123A11BX(7)153(6)(10) | 270,000.0 | C2225Z274K5XA(9) | M123A13BxB274K(10) |
| 430.0 | C0805Z431(3)(8)GA(9) | M123A10BP(7)431(3)(10) | 18,000.0 | C1210Z183(6)(8)XA(9) | M123A11BX(7)183(6)(10) | 330,000.0 | C2225Z334K5XA(9) | M123A13BxB334K(10) |
| 470.0 | C0805Z471(3)(8)GA(9) | M123A10BP(7)471(3)(10) | 22,000.0 | C1210Z223(6)(8)XA(9) | M123A11BX(7)223(6)(10) | 390,000.0 | C2225Z394K5XA(9) | M123A13BxB394K(10) |
| | | | 27,000.0 | C1210Z273(6)(8)XA(9) | M123A11BX(7)273(6)(10) | 470,000.0 | C2225Z474K5XA(9) | M123A13BxB474K(10) |
| | | | 50 VOLT-BX-C1210 SIZE (MILITARY CKS52) | | | 560,000.0 | C2225Z564K5XA(9) | M123A13BxB564K(10) |
| | | | 33,000.0 | C1210Z333(6)5XA(9) | M123A11BxB333(6)(10) | 680,000.0 | C2225Z684K5XA(9) | M123A13BxB684K(10) |
| | | | 39,000.0 | C1210Z393(6)5XA(9) | M123A11BxB393(6)(10) | 820,000.0 | C2225Z824K5XA(9) | M123A13BxB824K(10) |
| | | | 47,000.0 | C1210Z473(6)5XA(9) | M123A11BxB473(6)(10) | 1,000,000.0 | C2225Z105K5XA(9) | M123A13BxB105K(10) |
| | | | 56,000.0 | C1210Z563(6)5XA(9) | M123A11BxB563(6)(10) | | | |
| | | | 68,000.0 | C1210Z683(6)5XA(9) | M123A11BxB683(6)(10) | | | |
| | | | 82,000.0 | C1210Z823(6)5XA(9) | M123A11BxB823(6)(10) | | | |
| | | | 100,000.0 | C1210Z104(6)5XA(9) | M123A11BxB104(6)(10) | | | |

To complete the KEMET part numbers, insert the following tolerance:

- (1) C = $\pm 0.25pF$; D = $\pm 0.5pF$
- (2) C = $\pm 0.25pF$; J = $\pm 5\%$; K = $\pm 10\%$
- (3) F = $\pm 1\%$; J = $\pm 5\%$; K = $\pm 10\%$
- (4) B = $\pm 0.1pF$; C = $\pm 0.25pF$
- (5) B = $\pm 0.1pF$; C = 0.25pF; D = 0.50pF
- (6) K = $\pm 10\%$; M = $\pm 20\%$

To complete the KEMET part numbers, insert the following voltage:

- (7) B = 50 volts; C = 100 volts
- (8) S

RATINGS AND PART NUMBER REFERENCE

| CAP. pF | KEMET PART NUMBER | MIL-PRF-123 PART NUMBER |
|--|--------------------|-------------------------|
| 100 VOLT - BP - C1206 SIZE (MILITARY CKS55) | | |
| 1.0 | C1206Z109(4)1GA(9) | M123A21BPC1R0(4)(10) |
| 1.1 | C1206Z119(4)1GA(9) | M123A21BPC1R1(4)(10) |
| 1.2 | C1206Z129(4)1GA(9) | M123A21BPC1R2(4)(10) |
| 1.3 | C1206Z139(4)1GA(9) | M123A21BPC1R3(4)(10) |
| 1.5 | C1206Z159(4)1GA(9) | M123A21BPC1R5(4)(10) |
| 1.6 | C1206Z169(4)1GA(9) | M123A21BPC1R6(4)(10) |
| 1.8 | C1206Z189(4)1GA(9) | M123A21BPC1R8(4)(10) |
| 2.0 | C1206Z209(4)1GA(9) | M123A21BPC2R0(4)(10) |
| 2.2 | C1206Z229(4)1GA(9) | M123A21BPC2R2(4)(10) |
| 2.4 | C1206Z249(4)1GA(9) | M123A21BPC2R4(4)(10) |
| 2.7 | C1206Z279(5)1GA(9) | M123A21BPC2R7(5)(10) |
| 3.0 | C1206Z309(5)1GA(9) | M123A21BPC3R0(5)(10) |
| 3.3 | C1206Z339(5)1GA(9) | M123A21BPC3R3(5)(10) |
| 3.6 | C1206Z369(5)1GA(9) | M123A21BPC3R6(5)(10) |
| 3.9 | C1206Z399(5)1GA(9) | M123A21BPC3R9(5)(10) |
| 4.3 | C1206Z439(5)1GA(9) | M123A21BPC4R3(5)(10) |
| 4.7 | C1206Z479(5)1GA(9) | M123A21BPC4R7(5)(10) |
| 5.1 | C1206Z519(5)1GA(9) | M123A21BPC5R1(5)(10) |
| 5.6 | C1206Z569(5)1GA(9) | M123A21BPC5R6(5)(10) |
| 6.2 | C1206Z629(5)1GA(9) | M123A21BPC6R2(5)(10) |
| 6.8 | C1206Z689(5)1GA(9) | M123A21BPC6R8(5)(10) |
| 7.5 | C1206Z759(5)1GA(9) | M123A21BPC7R5(5)(10) |
| 8.2 | C1206Z829(5)1GA(9) | M123A21BPC8R2(5)(10) |
| 9.1 | C1206Z919(5)1GA(9) | M123A21BPC9R1(5)(10) |
| 10.0 | C1206Z100(3)1GA(9) | M123A21BPC100(3)(10) |
| 11.0 | C1206Z110(3)1GA(9) | M123A21BPC110(3)(10) |
| 12.0 | C1206Z120(3)1GA(9) | M123A21BPC120(3)(10) |
| 13.0 | C1206Z130(3)1GA(9) | M123A21BPC130(3)(10) |
| 15.0 | C1206Z150(3)1GA(9) | M123A21BPC150(3)(10) |
| 16.0 | C1206Z160(3)1GA(9) | M123A21BPC160(3)(10) |
| 18.0 | C1206Z180(3)1GA(9) | M123A21BPC180(3)(10) |
| 20.0 | C1206Z200(3)1GA(9) | M123A21BPC200(3)(10) |
| 24.0 | C1206Z240(3)1GA(9) | M123A21BPC240(3)(10) |
| 27.0 | C1206Z270(3)1GA(9) | M123A21BPC270(3)(10) |
| 33.0 | C1206Z330(3)1GA(9) | M123A21BPC330(3)(10) |
| 36.0 | C1206Z360(3)1GA(9) | M123A21BPC360(3)(10) |
| 39.0 | C1206Z390(3)1GA(9) | M123A21BPC390(3)(10) |
| 43.0 | C1206Z430(3)1GA(9) | M123A21BPC430(3)(10) |
| 47.0 | C1206Z470(3)1GA(9) | M123A21BPC470(3)(10) |
| 51.0 | C1206Z510(3)1GA(9) | M123A21BPC510(3)(10) |
| 56.0 | C1206Z560(3)1GA(9) | M123A21BPC560(3)(10) |
| 62.0 | C1206Z620(3)1GA(9) | M123A21BPC620(3)(10) |
| 68.0 | C1206Z680(3)1GA(9) | M123A21BPC680(3)(10) |
| 75.0 | C1206Z750(3)1GA(9) | M123A21BPC750(3)(10) |
| 82.0 | C1206Z820(3)1GA(9) | M123A21BPC820(3)(10) |
| 91.0 | C1206Z910(3)1GA(9) | M123A21BPC910(3)(10) |
| 100.0 | C1206Z101(3)1GA(9) | M123A21BPC101(3)(10) |
| 110.0 | C1206Z111(3)1GA(9) | M123A21BPC111(3)(10) |
| 120.0 | C1206Z121(3)1GA(9) | M123A21BPC121(3)(10) |
| 130.0 | C1206Z131(3)1GA(9) | M123A21BPC131(3)(10) |
| 150.0 | C1206Z151(3)1GA(9) | M123A21BPC151(3)(10) |
| 160.0 | C1206Z161(3)1GA(9) | M123A21BPC161(3)(10) |
| 180.0 | C1206Z181(3)1GA(9) | M123A21BPC181(3)(10) |
| 200.0 | C1206Z201(3)1GA(9) | M123A21BPC201(3)(10) |
| 220.0 | C1206Z221(3)1GA(9) | M123A21BPC221(3)(10) |
| 240.0 | C1206Z241(3)1GA(9) | M123A21BPC241(3)(10) |
| 270.0 | C1206Z271(3)1GA(9) | M123A21BPC271(3)(10) |
| 300.0 | C1206Z301(3)1GA(9) | M123A21BPC301(3)(10) |
| 330.0 | C1206Z331(3)1GA(9) | M123A21BPC331(3)(10) |
| 360.0 | C1206Z361(3)1GA(9) | M123A21BPC361(3)(10) |
| 390.0 | C1206Z391(3)1GA(9) | M123A21BPC391(3)(10) |
| 430.0 | C1206Z431(3)1GA(9) | M123A21BPC431(3)(10) |
| 470.0 | C1206Z471(3)1GA(9) | M123A21BPC471(3)(10) |
| 510.0 | C1206Z511(3)1GA(9) | M123A21BPC511(3)(10) |
| 560.0 | C1206Z561(3)1GA(9) | M123A21BPC561(3)(10) |
| 620.0 | C1206Z621(3)1GA(9) | M123A21BPC621(3)(10) |
| 680.0 | C1206Z681(3)1GA(9) | M123A21BPC681(3)(10) |
| 750.0 | C1206Z751(3)1GA(9) | M123A21BPC751(3)(10) |
| 820.0 | C1206Z821(3)1GA(9) | M123A21BPC821(3)(10) |
| 910.0 | C1206Z911(3)1GA(9) | M123A21BPC911(3)(10) |
| 1000.0 | C1206Z102(3)1GA(9) | M123A21BPC102(3)(10) |

| CAP. pF | KEMET PART NUMBER | MIL-PRF-123 PART NUMBER |
|--|--------------------|-------------------------|
| 50 VOLT-BP-C1206 SIZE (MILITARY CKS55) | | |
| 1,100.0 | C1206Z112(3)5GA(9) | M123A21BPC112(3)(10) |
| 1,200.0 | C1206Z122(3)5GA(9) | M123A21BPC122(3)(10) |
| 1,300.0 | C1206Z132(3)5GA(9) | M123A21BPC132(3)(10) |
| 1,500.0 | C1206Z152(3)5GA(9) | M123A21BPC152(3)(10) |
| 1,600.0 | C1206Z162(3)5GA(9) | M123A21BPC162(3)(10) |
| 1,800.0 | C1206Z182(3)5GA(9) | M123A21BPC182(3)(10) |
| 2,000.0 | C1206Z202(3)5GA(9) | M123A21BPC202(3)(10) |
| 2,200.0 | C1206Z222(3)5GA(9) | M123A21BPC222(3)(10) |
| 100 VOLT-BX-C1206 SIZE (MILITARY CKS55) | | |
| 4,700.0 | C1206Z472(6)1XA(9) | M123A21BXC472(6)(10) |
| 5,600.0 | C1206Z562(6)1XA(9) | M123A21BXC562(6)(10) |
| 6,800.0 | C1206Z682(6)1XA(9) | M123A21BXC682(6)(10) |
| 8,200.0 | C1206Z822(6)1XA(9) | M123A21BXC822(6)(10) |
| 10,000.0 | C1206Z103(6)1XA(9) | M123A21BXC103(6)(10) |
| 12,000.0 | C1206Z123(6)1XA(9) | M123A21BXC123(6)(10) |
| 15,000.0 | C1206Z153(6)1XA(9) | M123A21BXC153(6)(10) |
| 50 VOLT-BX-C1206 SIZE (MILITARY CKS55) | | |
| 18,000.0 | C1206Z183(6)5XA(9) | M123A21BXC183(6)(10) |
| 22,000.0 | C1206Z223(6)5XA(9) | M123A21BXC223(6)(10) |
| 27,000.0 | C1206Z273(6)5XA(9) | M123A21BXC273(6)(10) |
| 33,000.0 | C1206Z333(6)5XA(9) | M123A21BXC333(6)(10) |
| 39,000.0 | C1206Z393(6)5XA(9) | M123A21BXC393(6)(10) |
| 100 VOLT-BP-C1812 SIZE (MILITARY CKS56) | | |
| 1,200.0 | C1812Z122(3)1GA(9) | M123A22BPC122(3)(10) |
| 2,200.0 | C1812Z222(3)1GA(9) | M123A22BPC222(3)(10) |
| 2,400.0 | C1812Z242(3)1GA(9) | M123A22BPC242(3)(10) |
| 2,700.0 | C1812Z272(3)1GA(9) | M123A22BPC272(3)(10) |
| 3,000.0 | C1812Z302(3)1GA(9) | M123A22BPC302(3)(10) |
| 3,300.0 | C1812Z332(3)1GA(9) | M123A22BPC332(3)(10) |
| 3,600.0 | C1812Z362(3)1GA(9) | M123A22BPC362(3)(10) |
| 3,900.0 | C1812Z392(3)1GA(9) | M123A22BPC392(3)(10) |
| 4,300.0 | C1812Z432(3)1GA(9) | M123A22BPC432(3)(10) |
| 4,700.0 | C1812Z472(3)1GA(9) | M123A22BPC472(3)(10) |
| 50 VOLT-BP-C1812 SIZE (MILITARY CKS56) | | |
| 5,100.0 | C1812Z512(3)5GA(9) | M123A22BPC512(3)(10) |
| 5,600.0 | C1812Z562(3)5GA(9) | M123A22BPC562(3)(10) |
| 6,200.0 | C1812Z622(3)5GA(9) | M123A22BPC622(3)(10) |
| 6,800.0 | C1812Z682(3)5GA(9) | M123A22BPC682(3)(10) |
| 7,500.0 | C1812Z752(3)5GA(9) | M123A22BPC752(3)(10) |
| 8,200.0 | C1812Z822(3)5GA(9) | M123A22BPC822(3)(10) |
| 9,100.0 | C1812Z912(3)5GA(9) | M123A22BPC912(3)(10) |
| 10,000.0 | C1812Z103(3)5GA(9) | M123A22BPC103(3)(10) |
| 100 VOLT-BX-C1812 SIZE (MILITARY CKS56) | | |
| 27,000.0 | C1812Z273(6)1XA(9) | M123A22BXC273(6)(10) |
| 33,000.0 | C1812Z333(6)1XA(9) | M123A22BXC333(6)(10) |
| 39,000.0 | C1812Z393(6)1XA(9) | M123A22BXC393(6)(10) |
| 47,000.0 | C1812Z473(6)1XA(9) | M123A22BXC473(6)(10) |
| 56,000.0 | C1812Z563(6)1XA(9) | M123A22BXC563(6)(10) |
| 50 VOLT-BX-C1812 SIZE (MILITARY CKS56) | | |
| 100,000.0 | C1812Z104(6)5XA(9) | M123A22BXC104(6)(10) |
| 120,000.0 | C1812Z124(6)5XA(9) | M123A22BXC124(6)(10) |
| 150,000.0 | C1812Z154(6)5XA(9) | M123A22BXC154(6)(10) |
| 180,000.0 | C1812Z184(6)5XA(9) | M123A22BXC184(6)(10) |

| CAP. pF | KEMET PART NUMBER | MIL-PRF-123 PART NUMBER |
|--|--------------------|-------------------------|
| 100 VOLT-BP-C1825 SIZE (MILITARY CKS57) | | |
| 3,900.0 | C1825Z392(3)1GA(9) | M123A23BPC392(3)(10) |
| 4,700.0 | C1825Z472(3)1GA(9) | M123A23BPC472(3)(10) |
| 5,100.0 | C1825Z512(3)1GA(9) | M123A23BPC512(3)(10) |
| 5,600.0 | C1825Z562(3)1GA(9) | M123A23BPC562(3)(10) |
| 6,200.0 | C1825Z622(3)1GA(9) | M123A23BPC622(3)(10) |
| 6,800.0 | C1825Z682(3)1GA(9) | M123A23BPC682(3)(10) |
| 7,500.0 | C1825Z752(3)1GA(9) | M123A23BPC752(3)(10) |
| 8,200.0 | C1825Z822(3)1GA(9) | M123A23BPC822(3)(10) |
| 9,100.0 | C1825Z912(3)1GA(9) | M123A23BPC912(3)(10) |
| 10,000.0 | C1825Z103(3)1GA(9) | M123A23BPC103(3)(10) |
| 50 VOLT-BP-C1812 SIZE (MILITARY CKS57) | | |
| 11,000.0 | C1825Z113(3)5GA(9) | M123A23BPC113(3)(10) |
| 12,000.0 | C1825Z123(3)5GA(9) | M123A23BPC123(3)(10) |
| 13,000.0 | C1825Z133(3)5GA(9) | M123A23BPC133(3)(10) |
| 15,000.0 | C1825Z153(3)5GA(9) | M123A23BPC153(3)(10) |
| 16,000.0 | C1825Z163(3)5GA(9) | M123A23BPC163(3)(10) |
| 18,000.0 | C1825Z183(3)5GA(9) | M123A23BPC183(3)(10) |
| 20,000.0 | C1825Z203(3)5GA(9) | M123A23BPC203(3)(10) |
| 22,000.0 | C1825Z223(3)5GA(9) | M123A23BPC223(3)(10) |
| 100 VOLT-BX-C1825 SIZE (MILITARY CKS57) | | |
| 56,000.0 | C1825Z563(6)1XA(9) | M123A23BXC563(6)(10) |
| 68,000.0 | C1825Z683(6)1XA(9) | M123A23BXC683(6)(10) |
| 82,000.0 | C1825Z823(6)1XA(9) | M123A23BXC823(6)(10) |
| 100,000.0 | C1825Z104(6)1XA(9) | M123A23BXC104(6)(10) |
| 120,000.0 | C1825Z124(6)1XA(9) | M123A23BXC124(6)(10) |
| 150,000.0 | C1825Z154(6)1XA(9) | M123A23BXC154(6)(10) |
| 50 VOLT-BX-C1812 SIZE (MILITARY CKS57) | | |
| 180,000.0 | C1825Z184(6)5XA(9) | M123A23BXC184(6)(10) |
| 220,000.0 | C1825Z224(6)5XA(9) | M123A23BXC224(6)(10) |
| 270,000.0 | C1825Z274(6)5XA(9) | M123A23BXC274(6)(10) |
| 330,000.0 | C1825Z334(6)5XA(9) | M123A23BXC334(6)(10) |
| 390,000.0 | C1825Z394(6)5XA(9) | M123A23BXC394(6)(10) |
| 470,000.0 | C1825Z474(6)5XA(9) | M123A23BXC474(6)(10) |

To complete the KEMET part numbers, insert the following tolerance:

- (1) C = ±0.25pF; D = ±0.5pF
- (2) C = ±0.25pF; J = ±5%; K = ±10%
- (3) F = ±1%; J = ±5%; K = ±10%
- (4) B = ±0.1pF; C = ±0.25pF
- (5) B = ±0.1pF; C = 0.25pF; D = 0.50pF
- (6) K = ±10%; M = ±20%

To complete the KEMET part numbers, insert the following voltage:

- (7) B = 50 volts; C = 100 volts
- (8) 5 = 50 volts; 1 = 100 volts

To complete the KEMET part numbers, insert termination designation:

- (9) H = Nickel Guarded, Solder Coated (Sn60); L = 70/30 Tin/Lead Plated
- (10) S = Nickel Guarded, Solder Coated (Sn60); Z = 70/30 Tin/Lead Plated