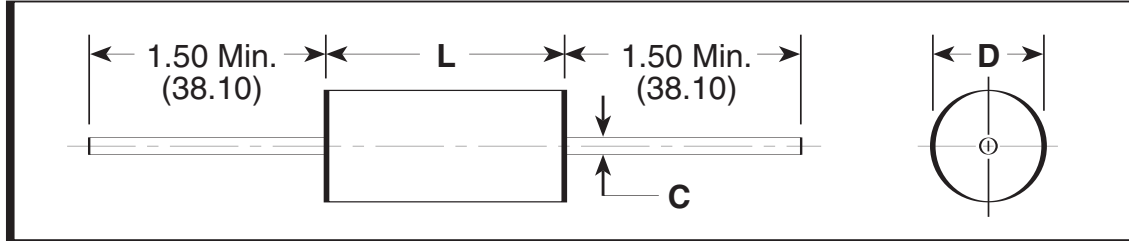


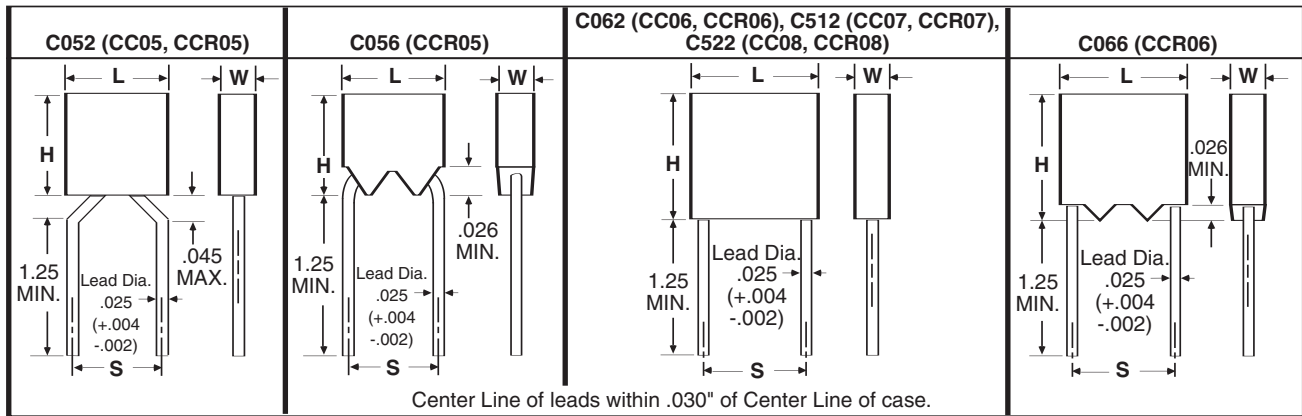
**CAPACITOR OUTLINE DRAWINGS (AXIAL LEADS)**



**DIMENSIONS — INCHES (MILLIMETERS)**

Case Size	Military Equivalent Styles	L Length	D Body Diameter	C Lead Diameter
C114	CC75, CCR75	.160 ± .010 (4.06 ± .25)	.090 ± .010 (2.29 ± .25)	.020, +.000, -.003 (.51, +.00, -.08)
C124	CC76, CCR76	.250 ± .010 (6.35 ± .25)	.090 ± .010 (2.29 ± .25)	.020, +.000, -.003 (.51, +.00, -.08)
C192	CC77, CCR77	.390 ± .010 (9.91 ± .25)	.140 ± .010 (3.56 ± .25)	.025, +.004, -.001 (.64, +.10, -.025)
C202	CC78, CCR78	.500 ± .020 (12.70 ± .51)	.250 ± .015 (6.35 ± .38)	.025, +.004, -.001 (.64, +.10, -.025)
C222	CC79, CCR79	.690 ± .020 (17.53 ± .51)	.350 ± .015 (8.89 ± .38)	.025, +.004, -.001 (.64, +.10, -.025)

**CAPACITOR OUTLINE DRAWINGS (RADIAL LEADS)**



Note: Leads are .625 minimum when tape and reel packaged

**DIMENSIONS — INCHES (MILLIMETERS)**

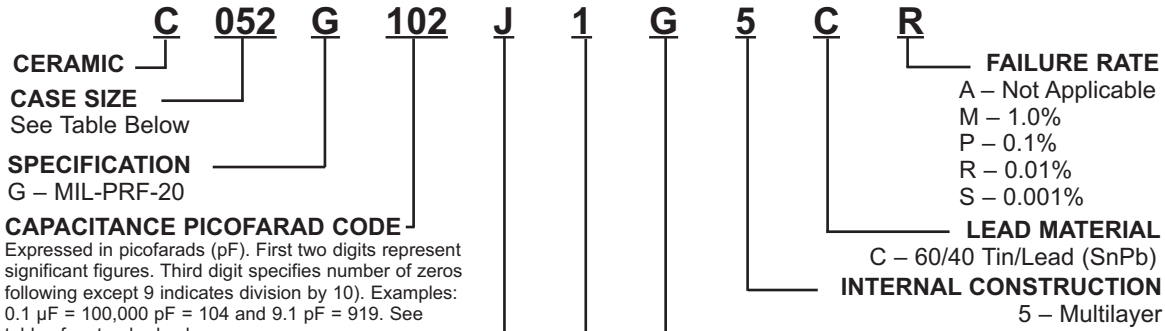
Case Size	Military Equivalent Styles	H Height	L Length	W Width	S Lead Spacing
C052/ C056	CC05, CCR05	.190 ± .010 (4.83 ± .25)	.190 ± .010 (4.83 ± .25)	.090 ± .010 (2.29 ± .25)	.200 ± .015 (5.08 ± .38)
C062/ C066	CC06, CCR06	.290 ± .010 (7.37 ± .25)	.290 ± .010 (7.37 ± .25)	.090 ± .010 (2.29 ± .25)	.200 ± .015 (5.08 ± .38)
C512	CC07, CCR07	.480 ± .020 (12.19 ± .51)	.480 ± .020 (12.19 ± .51)	*.140 ± .010 (3.56 ± .25)	.400 ± .020 (10.16 ± .51)
C522	CC08, CCR08	.480 ± .020 (12.19 ± .51)	.480 ± .020 (12.19 ± .51)	.240 ± .010 (6.10 ± .25)	.400 ± .020 (10.16 ± .51)

\* 0.200 (5.08) maximum for 100,000 pF only.

**For packaging information, see pages 46, 47, and 48.**

# CERAMIC MOLDED/AXIAL & RADIAL — MIL-PRF-20

## ORDERING INFORMATION



**CAPACITANCE TOLERANCE**

Standard	Others	
K – $\pm 10\%$	G – $\pm 2\%$	C – $\pm 0.25\text{pF}$
J – $\pm 5\%$	F – $\pm 1\%$	D – $\pm 0.5\text{pF}$
	B – $\pm 0.1\text{pF}$	

Standard tolerances for each Series are shown in the repetitive parts lists.

Case Sizes	
Radial	Axial
C052	C114
C056	C124
C062	C192
C066	C202
C512	C222
C522	

TEMPERATURE CHARACTERISTIC					
KEMET Designator	Military Equivalent	EIA Equivalent	Capacitance Change with Temp.		
			Temp Range, °C	Measured without DC Bias Voltage	Measured with Bias (Rated Voltage)
G (Ultra Stable)	*CG (See below)	COG (NP0)	-55 to +125°	$\pm 30$ ppm/°C	$\pm 30$ ppm/°C

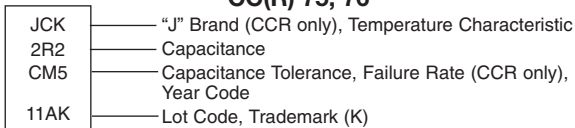
\*CH –  $\pm 60$  ppm/°C 8.2 pF-18.0 pF  
 \*CJ –  $\pm 120$  ppm/°C 4.3 pF-7.5 pF  
 \*CK –  $\pm 250$  ppm/°C 2.2 pF-3.9 pF  
 \*CX – not measurable 0.1 pF-2.0 pF

**WORKING VOLTAGE DC**  
2 – 200V; 1 – 100V; 5 – 50V

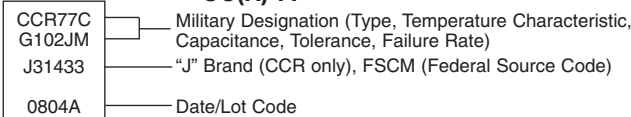
Part Number Example: C052G102J1G5CR (14 digits – no spaces)

## CAPACITOR MARKING

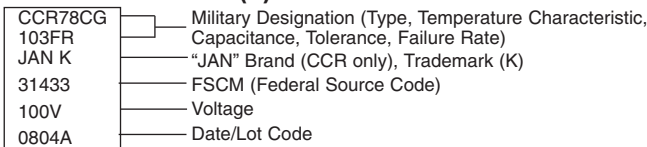
### CC(R) 75, 76



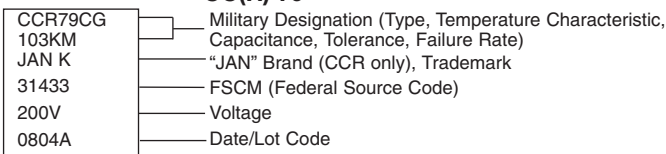
### CC(R) 77



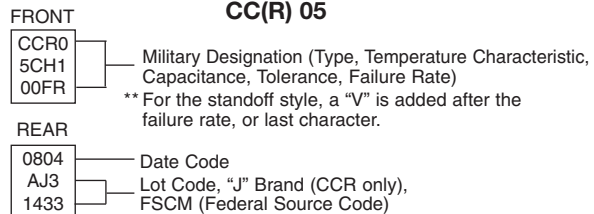
### CC(R) 78



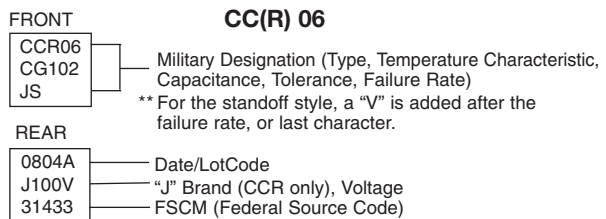
### CC(R) 79



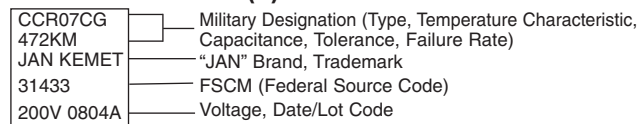
### CC(R) 05



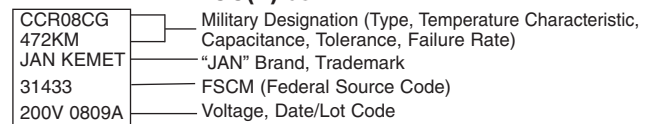
### CC(R) 06



### CC(R) 07



### CC(R) 08



**RATINGS & PART NUMBER REFERENCE**

CAP. pF	KEMET PART NUMBER	MILITARY STYLE CC	MILITARY STYLE CCR
<b>200 VOLT – C114 (CC(R)75 PER MIL-PRF-20/27)</b>			
1.0	C114G109(2)2G5C(1)	CC75CX1R0(2)	CCR75CX1R0(2)(1)
1.1	C114G119(2)2G5C(1)	CC75CX1R1(2)	CCR75CX1R1(2)(1)
1.2	C114G129(2)2G5C(1)	CC75CX1R2(2)	CCR75CX1R2(2)(1)
1.3	C114G139(2)2G5C(1)	CC75CX1R3(2)	CCR75CX1R3(2)(1)
1.5	C114G159(2)2G5C(1)	CC75CX1R5(2)	CCR75CX1R5(2)(1)
1.6	C114G169(2)2G5C(1)	CC75CX1R6(2)	CCR75CX1R6(2)(1)
1.8	C114G189(2)2G5C(1)	CC75CX1R8(2)	CCR75CX1R8(2)(1)
2.0	C114G209(2)2G5C(1)	CC75CX2R0(2)	CCR75CX2R0(2)(1)
2.2	C114G229(2)2G5C(1)	CC75CK2R2(2)	CCR75CK2R2(2)(1)
2.4	C114G249(2)2G5C(1)	CC75CK2R4(2)	CCR75CK2R4(2)(1)
2.7	C114G279(3)2G5C(1)	CC75CK2R7(3)	CCR75CK2R7(3)(1)
3.0	C114G309(3)2G5C(1)	CC75CK3R0(3)	CCR75CK3R0(3)(1)
3.3	C114G339(3)2G5C(1)	CC75CK3R3(3)	CCR75CK3R3(3)(1)
3.6	C114G369(3)2G5C(1)	CC75CK3R6(3)	CCR75CK3R6(3)(1)
3.9	C114G399(3)2G5C(1)	CC75CK3R9(3)	CCR75CK3R9(3)(1)
4.3	C114G439(3)2G5C(1)	CC75CJ4R3(3)	CCR75CJ4R3(3)(1)
4.7	C114G479(3)2G5C(1)	CC75CJ4R7(3)	CCR75CJ4R7(3)(1)
5.1	C114G519(3)2G5C(1)	CC75CJ5R1(3)	CCR75CJ5R1(3)(1)
5.6	C114G569(3)2G5C(1)	CC75CJ5R6(3)	CCR75CJ5R6(3)(1)
6.2	C114G629(3)2G5C(1)	CC75CJ6R2(3)	CCR75CJ6R2(3)(1)
6.8	C114G689(3)2G5C(1)	CC75CJ6R8(3)	CCR75CJ6R8(3)(1)
7.5	C114G759(3)2G5C(1)	CC75CJ7R5(3)	CCR75CJ7R5(3)(1)
8.2	C114G829(3)2G5C(1)	CC75CH8R2(3)	CCR75CH8R2(3)(1)
9.1	C114G919(3)2G5C(1)	CC75CH9R1(3)	CCR75CH9R1(3)(1)
10.0	C114G100(4)2G5C(1)	CC75CH100(4)	CCR75CH100(4)(1)
11.0	C114G110(4)2G5C(1)	CC75CH110(4)	CCR75CH110(4)(1)
12.0	C114G120(4)2G5C(1)	CC75CH120(4)	CCR75CH120(4)(1)
13.0	C114G130(4)2G5C(1)	CC75CH130(4)	CCR75CH130(4)(1)
15.0	C114G140(4)2G5C(1)	CC75CH140(4)	CCR75CH140(4)(1)
16.0	C114G160(4)2G5C(1)	CC75CH160(4)	CCR75CH160(4)(1)
18.0	C114G180(4)2G5C(1)	CC75CH180(4)	CCR75CH180(4)(1)
20.0	C114G200(4)2G5C(1)	CC75CG200(4)	CCR75CG200(4)(1)
22.0	C114G220(4)2G5C(1)	CC75CG220(4)	CCR75CG220(4)(1)
24.0	C114G240(4)2G5C(1)	CC75CG240(4)	CCR75CG240(4)(1)
27.0	C114G270(4)2G5C(1)	CC75CG270(4)	CCR75CG270(4)(1)
30.0	C114G300(4)2G5C(1)	CC75CG300(4)	CCR75CG300(4)(1)
33.0	C114G330(4)2G5C(1)	CC75CG330(4)	CCR75CG330(4)(1)
36.0	C114G360(4)2G5C(1)	CC75CG360(4)	CCR75CG360(4)(1)
39.0	C114G390(4)2G5C(1)	CC75CG390(4)	CCR75CG390(4)(1)
43.0	C114G430(4)2G5C(1)	CC75CG430(4)	CCR75CG430(4)(1)
47.0	C114G470(4)2G5C(1)	CC75CG470(4)	CCR75CG470(4)(1)
51.0	C114G510(4)2G5C(1)	CC75CG510(4)	CCR75CG510(4)(1)
56.0	C114G560(4)2G5C(1)	CC75CG560(4)	CCR75CG560(4)(1)
62.0	C114G620(4)2G5C(1)	CC75CG620(4)	CCR75CG620(4)(1)
68.0	C114G680(4)2G5C(1)	CC75CG680(4)	CCR75CG680(4)(1)
75.0	C114G750(4)2G5C(1)	CC75CG750(4)	CCR75CG750(4)(1)

CAP. pF	KEMET PART NUMBER	MILITARY STYLE CC	MILITARY STYLE CCR
<b>100 VOLT – C114 (CC(R)75 PER MIL-PRF-20/27)</b>			
82.0	C114G820(4)1G5C(1)	CC75CG820(4)	CCR75CG820(4)(1)
91.0	C114G910(4)1G5C(1)	CC75CG910(4)	CCR75CG910(4)(1)
100.0	C114G101(4)1G5C(1)	CC75CG101(4)	CCR75CG101(4)(1)
110.0	C114G111(4)1G5C(1)	CC75CG111(4)	CCR75CG111(4)(1)
120.0	C114G121(4)1G5C(1)	CC75CG121(4)	CCR75CG121(4)(1)
130.0	C114G131(4)1G5C(1)	CC75CG131(4)	CCR75CG131(4)(1)
150.0	C114G151(4)1G5C(1)	CC75CG151(4)	CCR75CG151(4)(1)
160.0	C114G161(4)1G5C(1)	CC75CG161(4)	CCR75CG161(4)(1)
180.0	C114G181(4)1G5C(1)	CC75CG181(4)	CCR75CG181(4)(1)
200.0	C114G201(4)1G5C(1)	CC75CG201(4)	CCR75CG201(4)(1)
220.0	C114G221(4)1G5C(1)	CC75CG221(4)	CCR75CG221(4)(1)
240.0	C114G241(4)1G5C(1)	CC75CG241(4)	CCR75CG241(4)(1)
<b>50 VOLT – C114 (CC(R)75 PER MIL-PRF-20/27)</b>			
270.0	C114G271(4)5G5C(1)	CC75CG271(4)	CCR75CG271(4)(1)
300.0	C114G301(4)5G5C(1)	CC75CG301(4)	CCR75CG301(4)(1)
330.0	C114G331(4)5G5C(1)	CC75CG331(4)	CCR75CG331(4)(1)
360.0	C114G361(4)5G5C(1)	CC75CG361(4)	CCR75CG361(4)(1)
390.0	C114G391(4)5G5C(1)	CC75CG391(4)	CCR75CG391(4)(1)
430.0	C114G431(4)5G5C(1)	CC75CG431(4)	CCR75CG431(4)(1)
470.0	C114G471(4)5G5C(1)	CC75CG471(4)	CCR75CG471(4)(1)
510.0	C114G511(4)5G5C(1)	CC75CG511(4)	CCR75CG511(4)(1)
560.0	C114G561(4)5G5C(1)	CC75CG561(4)	CCR75CG561(4)(1)
620.0	C114G621(4)5G5C(1)	CC75CG621(4)	CCR75CG621(4)(1)
680.0	C114G681(4)5G5C(1)	CC75CG681(4)	CCR75CG681(4)(1)
<b>200 VOLT – C124 (CC(R)76 PER MIL-PRF-20/28)</b>			
82.0	C124G820(4)2G5C(1)	CC76CG820(4)	CCR76CG820(4)(1)
91.0	C124G910(4)2G5C(1)	CC76CG910(4)	CCR76CG910(4)(1)
100.0	C124G101(4)2G5C(1)	CC76CG101(4)	CCR76CG101(4)(1)
110.0	C124G111(4)2G5C(1)	CC76CG111(4)	CCR76CG111(4)(1)
120.0	C124G121(4)2G5C(1)	CC76CG121(4)	CCR76CG121(4)(1)
130.0	C124G131(4)2G5C(1)	CC76CG131(4)	CCR76CG131(4)(1)
<b>100 VOLT – C124 (CC(R)76 PER MIL-PRF-20/28)</b>			
270.0	C124G271(4)1G5C(1)	CC76CG271(4)	CCR76CG271(4)(1)
300.0	C124G301(4)1G5C(1)	CC76CG301(4)	CCR76CG301(4)(1)
330.0	C124G331(4)1G5C(1)	CC76CG331(4)	CCR76CG331(4)(1)
360.0	C124G361(4)1G5C(1)	CC76CG361(4)	CCR76CG361(4)(1)
390.0	C124G391(4)1G5C(1)	CC76CG391(4)	CCR76CG391(4)(1)
430.0	C124G431(4)1G5C(1)	CC76CG431(4)	CCR76CG431(4)(1)
470.0	C124G471(4)1G5C(1)	CC76CG471(4)	CCR76CG471(4)(1)
510.0	C124G511(4)1G5C(1)	CC76CG511(4)	CCR76CG511(4)(1)
560.0	C124G561(4)1G5C(1)	CC76CG561(4)	CCR76CG561(4)(1)
620.0	C124G621(4)1G5C(1)	CC76CG621(4)	CCR76CG621(4)(1)
680.0	C124G681(4)1G5C(1)	CC76CG681(4)	CCR76CG681(4)(1)
<b>50 VOLT – C124 (CC(R)76 PER MIL-PRF-20/28)</b>			
750.0	C124G751(4)5G5C(1)	CC76CG751(4)	CCR76CG751(4)(1)
820.0	C124G821(4)5G5C(1)	CC76CG821(4)	CCR76CG821(4)(1)
910.0	C124G911(4)5G5C(1)	CC76CG911(4)	CCR76CG911(4)(1)
1,000.0	C124G102(4)5G5C(1)	CC76CG102(4)	CCR76CG102(4)(1)
<b>200 VOLT – C192 (CC(R)77 PER MIL-PRF-20/29)</b>			
150.0	C192G151(4)2G5C(1)	CC77CG151(4)	CCR77CG151(4)(1)
160.0	C192G161(4)2G5C(1)	CC77CG161(4)	CCR77CG161(4)(1)
180.0	C192G181(4)2G5C(1)	CC77CG181(4)	CCR77CG181(4)(1)
200.0	C192G201(4)2G5C(1)	CC77CG201(4)	CCR77CG201(4)(1)
220.0	C192G221(4)2G5C(1)	CC77CG221(4)	CCR77CG221(4)(1)
240.0	C192G241(4)2G5C(1)	CC77CG241(4)	CCR77CG241(4)(1)
270.0	C192G271(4)2G5C(1)	CC77CG271(4)	CCR77CG271(4)(1)
300.0	C192G301(4)2G5C(1)	CC77CG301(4)	CCR77CG301(4)(1)
330.0	C192G331(4)2G5C(1)	CC77CG331(4)	CCR77CG331(4)(1)
360.0	C192G361(4)2G5C(1)	CC77CG361(4)	CCR77CG361(4)(1)
390.0	C192G391(4)2G5C(1)	CC77CG391(4)	CCR77CG391(4)(1)
430.0	C192G431(4)2G5C(1)	CC77CG431(4)	CCR77CG431(4)(1)
470.0	C192G471(4)2G5C(1)	CC77CG471(4)	CCR77CG471(4)(1)
510.0	C192G511(4)2G5C(1)	CC77CG511(4)	CCR77CG511(4)(1)
560.0	C192G561(4)2G5C(1)	CC77CG561(4)	CCR77CG561(4)(1)
620.0	C192G621(4)2G5C(1)	CC77CG621(4)	CCR77CG621(4)(1)
680.0	C192G681(4)2G5C(1)	CC77CG681(4)	CCR77CG681(4)(1)

To complete Part Number, insert the following letters:

- (1) Available Failure Rates: A (CC styles only); M, P, R & S (CCR styles only).
- (2) Available Capacitance Tolerances: B, C.
- (3) Available Capacitance Tolerances: B, C, D.
- (4) Available Capacitance Tolerances: F, G, J.

**CERAMIC MOLDED/AXIAL — MIL-PRF-20**  
**ULTRA-STABLE TEMPERATURE CHARACTERISTIC — CG (EIA-C0G)**

**RATINGS & PART NUMBER REFERENCE**

CAP. pF	KEMET PART NUMBER	MILITARY STYLE CC	MILITARY STYLE CCR	CAP. pF	KEMET PART NUMBER	MILITARY STYLE CC	MILITARY STYLE CCR
<b>100 VOLT – C192 (CC(R)77 PER MIL-PRF-20/29)</b>				<b>100 VOLT – C202 (CC(R)78 PER MIL-PRF-20/30)</b>			
750.0	C192G751(4)1G5C(1)	CC77CG751(4)	CCR77CG751(4)(1)	3,900.0	C202G392(5)1G5C(1)	CC78CG392(5)	CCR78CG392(5)(1)
820.0	C192G821(4)1G5C(1)	CC77CG821(4)	CCR77CG821(4)(1)	4,700.0	C202G472(5)1G5C(1)	CC78CG472(5)	CCR78CG472(5)(1)
910.0	C192G911(4)1G5C(1)	CC77CG911(4)	CCR77CG911(4)(1)	5,600.0	C202G562(5)1G5C(1)	CC78CG562(5)	CCR78CG562(5)(1)
1,000.0	C192G102(4)1G5C(1)	CC77CG102(4)	CCR77CG102(4)(1)	6,800.0	C202G682(5)1G5C(1)	CC78CG682(5)	CCR78CG682(5)(1)
1,100.0	C192G112(4)1G5C(1)	CC77CG112(4)	CCR77CG112(4)(1)	8,200.0	C202G822(5)1G5C(1)	CC78CG822(5)	CCR78CG822(5)(1)
1,200.0	C192G122(4)1G5C(1)	CC77CG122(4)	CCR77CG122(4)(1)	10,000.0	C202G103(5)1G5C(1)	CC78CG103(5)	CCR78CG103(5)(1)
1,300.0	C192G132(4)1G5C(1)	CC77CG132(4)	CCR77CG132(4)(1)	12,000.0	C202G123(5)1G5C(1)	CC78CG123(5)	CCR78CG123(5)(1)
1,500.0	C192G152(4)1G5C(1)	CC77CG152(4)	CCR77CG152(4)(1)	<b>50 VOLT – C202 (CC(R)78 PER MIL-PRF-20/30)</b>			
1,600.0	C192G162(4)1G5C(1)	CC77CG162(4)	CCR77CG162(4)(1)	15,000.0	C202G153(5)5G5C(1)	CC78CG153(5)	CCR78CG153(5)(1)
1,800.0	C192G182(4)1G5C(1)	CC77CG182(4)	CCR77CG182(4)(1)	18,000.0	C202G183(5)5G5C(1)	CC78CG183(5)	CCR78CG183(5)(1)
2,000.0	C192G202(4)1G5C(1)	CC77CG202(4)	CCR77CG202(4)(1)	22,000.0	C202G223(5)5G5C(1)	CC78CG223(5)	CCR78CG223(5)(1)
2,200.0	C192G222(4)1G5C(1)	CC77CG222(4)	CCR77CG222(4)(1)	27,000.0	C202G273(5)5G5C(1)	CC78CG273(5)	CCR78CG273(5)(1)
<b>50 VOLT – C192 (CC(R)77 PER MIL-PRF-20/29)</b>				<b>200 VOLT – C222 (CC(R)79 PER MIL-PRF-20/31)</b>			
2,400.0	C192G242(4)5G5C(1)	CC77CG242(4)	CCR77CG242(4)(1)	3,900.0	C222G392(5)2G5C(1)	CC79CG392(5)	CCR79CG392(5)(1)
2,700.0	C192G272(4)5G5C(1)	CC77CG272(4)	CCR77CG272(4)(1)	4,700.0	C222G472(5)2G5C(1)	CC79CG472(5)	CCR79CG472(5)(1)
3,000.0	C192G302(4)5G5C(1)	CC77CG302(4)	CCR77CG302(4)(1)	5,600.0	C222G562(5)2G5C(1)	CC79CG562(5)	CCR79CG562(5)(1)
3,300.0	C192G332(4)5G5C(1)	CC77CG332(4)	CCR77CG332(4)(1)	6,800.0	C222G682(5)2G5C(1)	CC79CG682(5)	CCR79CG682(5)(1)
3,600.0	C192G362(4)5G5C(1)	CC77CG362(4)	CCR77CG362(4)(1)	8,200.0	C222G822(5)2G5C(1)	CC79CG822(5)	CCR79CG822(5)(1)
3,900.0	C192G392(4)5G5C(1)	CC77CG392(4)	CCR77CG392(4)(1)	10,000.0	C222G103(5)2G5C(1)	CC79CG103(5)	CCR79CG103(5)(1)
4,300.0	C192G432(4)5G5C(1)	CC77CG432(4)	CCR77CG432(4)(1)	<b>100 VOLT – C222 (CC(R)79 PER MIL-PRF-20/31)</b>			
4,700.0	C192G472(4)5G5C(1)	CC77CG472(4)	CCR77CG472(4)(1)	15,000.0	C222G153(5)1G5C(1)	CC79CG153(5)	CCR79CG153(5)(1)
5,100.0	C192G512(5)5G5C(1)	CC77CG512(5)	CCR77CG512(5)(1)	18,000.0	C222G183(5)1G5C(1)	CC79CG183(5)	CCR79CG183(5)(1)
5,600.0	C192G562(5)5G5C(1)	CC77CG562(5)	CCR77CG562(5)(1)	22,000.0	C222G223(5)1G5C(1)	CC79CG223(5)	CCR79CG223(5)(1)
<b>200 VOLT – C202 (CC(R)78 PER MIL-PRF-20/30)</b>				27,000.0	C222G273(5)1G5C(1)	CC79CG273(5)	CCR79CG273(5)(1)
820.0	C202G821(5)2G5C(1)	CC78CG821(5)	CCR78CG821(5)(1)	33,000.0	C222G333(5)1G5C(1)	CC79CG333(5)	CCR79CG333(5)(1)
1,000.0	C202G102(5)2G5C(1)	CC78CG102(5)	CCR78CG102(5)(1)	39,000.0	C222G393(5)1G5C(1)	CC79CG393(5)	CCR79CG393(5)(1)
1,200.0	C202G122(5)2G5C(1)	CC78CG122(5)	CCR78CG122(5)(1)	<b>50 VOLT – C222 (CC(R)79 PER MIL-PRF-20/31)</b>			
1,500.0	C202G152(5)2G5C(1)	CC78CG152(5)	CCR78CG152(5)(1)	47,000.0	C222G473(5)5G5C(1)	CC79CG473(5)	CCR79CG473(5)(1)
1,800.0	C202G182(5)2G5C(1)	CC78CG182(5)	CCR78CG182(5)(1)	56,000.0	C222G563(5)5G5C(1)	CC79CG563(5)	CCR79CG563(5)(1)
2,200.0	C202G222(5)2G5C(1)	CC78CG222(5)	CCR78CG222(5)(1)	68,000.0	C222G683(5)5G5C(1)	CC79CG683(5)	CCR79CG683(5)(1)
2,700.0	C202G272(5)2G5C(1)	CC78CG272(5)	CCR78CG272(5)(1)	82,000.0	C222G823(5)5G5C(1)	CC79CG823(5)	CCR79CG823(5)(1)
3,300.0	C202G332(5)2G5C(1)	CC78CG332(5)	CCR78CG332(5)(1)				

To complete Part Number, insert the following letters:

- (1) Available Failure Rates: A (CC styles only); M, P, R & S (CCR styles only).
- (2) Available Capacitance Tolerances: B, C.
- (3) Available Capacitance Tolerances: B, C, D.
- (4) Available Capacitance Tolerances: F, G, J.
- (5) Available Capacitance Tolerances: F, G, J, K.

MIL-PRF-20

#### RATINGS & PART NUMBER REFERENCE

CAP. pF	KEMET PART NUMBER	MILITARY STYLE CC	MILITARY STYLE CCR
<b>200 VOLT – C052/056 SIZE (CC(R)05 PER MIL-PRF-20/35)</b>			
1.0	C05(6)G109(2)2G5C(1)	CC05CX1R0(2)	CCR05CX1R0(2)(1)(7)
1.1	C05(6)G119(2)2G5C(1)	CC05CX1R1(2)	CCR05CX1R1(2)(1)(7)
1.2	C05(6)G129(2)2G5C(1)	CC05CX1R2(2)	CCR05CX1R2(2)(1)(7)
1.3	C05(6)G139(2)2G5C(1)	CC05CX1R3(2)	CCR05CX1R3(2)(1)(7)
1.5	C05(6)G159(2)2G5C(1)	CC05CX1R5(2)	CCR05CX1R5(2)(1)(7)
1.6	C05(6)G169(2)2G5C(1)	CC05CX1R6(2)	CCR05CX1R6(2)(1)(7)
1.8	C05(6)G189(2)2G5C(1)	CC05CX1R8(2)	CCR05CX1R8(2)(1)(7)
2.0	C05(6)G209(2)2G5C(1)	CC05CX2R0(2)	CCR05CX2R0(2)(1)(7)
2.2	C05(6)G229(2)2G5C(1)	CC05CK2R2(2)	CCR05CK2R2(2)(1)(7)
2.4	C05(6)G249(2)2G5C(1)	CC05CK2R4(2)	CCR05CK2R4(2)(1)(7)
2.7	C05(6)G279(3)2G5C(1)	CC05CK2R7(3)	CCR05CK2R7(3)(1)(7)
3.0	C05(6)G309(3)2G5C(1)	CC05CK3R0(3)	CCR05CK3R0(3)(1)(7)
3.3	C05(6)G339(3)2G5C(1)	CC05CK3R3(3)	CCR05CK3R3(3)(1)(7)
3.6	C05(6)G369(3)2G5C(1)	CC05CK3R6(3)	CCR05CK3R6(3)(1)(7)
3.9	C05(6)G399(3)2G5C(1)	CC05CK3R9(3)	CCR05CK3R9(3)(1)(7)
4.3	C05(6)G439(3)2G5C(1)	CC05CJ4R3(3)	CCR05CJ4R3(3)(1)(7)
4.7	C05(6)G479(3)2G5C(1)	CC05CJ4R7(3)	CCR05CJ4R7(3)(1)(7)
5.1	C05(6)G519(3)2G5C(1)	CC05CJ5R1(3)	CCR05CJ5R1(3)(1)(7)
5.6	C05(6)G569(3)2G5C(1)	CC05CJ5R6(3)	CCR05CJ5R6(3)(1)(7)
6.2	C05(6)G629(3)2G5C(1)	CC05CJ6R2(3)	CCR05CJ6R2(3)(1)(7)
6.8	C05(6)G689(3)2G5C(1)	CC05CJ6R8(3)	CCR05CJ6R8(3)(1)(7)
7.5	C05(6)G759(3)2G5C(1)	CC05CJ7R5(3)	CCR05CJ7R5(3)(1)(7)
8.2	C05(6)G829(3)2G5C(1)	CC05CH8R2(3)	CCR05CH8R2(3)(1)(7)
9.1	C05(6)G919(3)2G5C(1)	CC05CH9R1(3)	CCR05CH9R1(3)(1)(7)
10.0	C05(6)G100(4)2G5C(1)	CC05CH100(4)	CCR05CH100(4)(1)(7)
11.0	C05(6)G110(4)2G5C(1)	CC05CH110(4)	CCR05CH110(4)(1)(7)
12.0	C05(6)G120(4)2G5C(1)	CC05CH120(4)	CCR05CH120(4)(1)(7)
13.0	C05(6)G130(4)2G5C(1)	CC05CH130(4)	CCR05CH130(4)(1)(7)
15.0	C05(6)G150(4)2G5C(1)	CC05CH150(4)	CCR05CH150(4)(1)(7)
16.0	C05(6)G160(4)2G5C(1)	CC05CH160(4)	CCR05CH160(4)(1)(7)
18.0	C05(6)G180(4)2G5C(1)	CC05CH180(4)	CCR05CH180(4)(1)(7)
20.0	C05(6)G200(4)2G5C(1)	CC05CG200(4)	CCR05CG200(4)(1)(7)
22.0	C05(6)G220(4)2G5C(1)	CC05CG220(4)	CCR05CG220(4)(1)(7)
24.0	C05(6)G240(4)2G5C(1)	CC05CG240(4)	CCR05CG240(4)(1)(7)
27.0	C05(6)G270(4)2G5C(1)	CC05CG270(4)	CCR05CG270(4)(1)(7)
30.0	C05(6)G300(4)2G5C(1)	CC05CG300(4)	CCR05CG300(4)(1)(7)
33.0	C05(6)G330(4)2G5C(1)	CC05CG330(4)	CCR05CG330(4)(1)(7)
36.0	C05(6)G360(4)2G5C(1)	CC05CG360(4)	CCR05CG360(4)(1)(7)
39.0	C05(6)G390(4)2G5C(1)	CC05CG390(4)	CCR05CG390(4)(1)(7)
43.0	C05(6)G430(4)2G5C(1)	CC05CG430(4)	CCR05CG430(4)(1)(7)
47.0	C05(6)G470(4)2G5C(1)	CC05CG470(4)	CCR05CG470(4)(1)(7)
51.0	C05(6)G510(4)2G5C(1)	CC05CG510(4)	CCR05CG510(4)(1)(7)

CAP. pF	KEMET PART NUMBER	MILITARY STYLE CC	MILITARY STYLE CCR
<b>200 VOLT – C052/056 SIZE (CC(R)05 PER MIL-PRF-20/35)</b>			
56.0	C05(6)G560(4)2G5C(1)	CC05CG560(4)	CCR05CG560(4)(1)(7)
62.0	C05(6)G620(4)2G5C(1)	CC05CG620(4)	CCR05CG620(4)(1)(7)
68.0	C05(6)G680(4)2G5C(1)	CC05CG680(4)	CCR05CG680(4)(1)(7)
75.0	C05(6)G750(4)2G5C(1)	CC05CG750(4)	CCR05CG750(4)(1)(7)
82.0	C05(6)G820(4)2G5C(1)	CC05CG820(4)	CCR05CG820(4)(1)(7)
91.0	C05(6)G910(4)2G5C(1)	CC05CG910(4)	CCR05CG910(4)(1)(7)
100.0	C05(6)G101(4)2G5C(1)	CC05CG101(4)	CCR05CG101(4)(1)(7)
110.0	C05(6)G111(4)2G5C(1)	CC05CG111(4)	CCR05CG111(4)(1)(7)
120.0	C05(6)G121(4)2G5C(1)	CC05CG121(4)	CCR05CG121(4)(1)(7)
130.0	C05(6)G131(4)2G5C(1)	CC05CG131(4)	CCR05CG131(4)(1)(7)
150.0	C05(6)G131(4)2G5C(1)	CC05CG131(4)	CCR05CG131(4)(1)(7)
160.0	C05(6)G161(4)2G5C(1)	CC05CG161(4)	CCR05CG161(4)(1)(7)
180.0	C05(6)G181(4)2G5C(1)	CC05CG181(4)	CCR05CG181(4)(1)(7)
200.0	C05(6)G201(4)2G5C(1)	CC05CG201(4)	CCR05CG201(4)(1)(7)
220.0	C05(6)G221(4)2G5C(1)	CC05CG221(4)	CCR05CG221(4)(1)(7)
240.0	C05(6)G241(4)2G5C(1)	CC05CG241(4)	CCR05CG241(4)(1)(7)
270.0	C05(6)G271(4)2G5C(1)	CC05CG271(4)	CCR05CG271(4)(1)(7)
300.0	C05(6)G301(4)2G5C(1)	CC05CG301(4)	CCR05CG301(4)(1)(7)
330.0	C05(6)G331(4)2G5C(1)	CC05CG331(4)	CCR05CG331(4)(1)(7)
<b>100 VOLT – C052/056 SIZE (CC(R)05 PER MIL-PRF-20/35)</b>			
360.0	C05(6)G361(4)1G5C(1)	CC05CG361(4)	CCR05CG361(4)(1)(7)
390.0	C05(6)G391(4)1G5C(1)	CC05CG391(4)	CCR05CG391(4)(1)(7)
430.0	C05(6)G431(4)1G5C(1)	CC05CG431(4)	CCR05CG431(4)(1)(7)
470.0	C05(6)G471(4)1G5C(1)	CC05CG471(4)	CCR05CG471(4)(1)(7)
510.0	C05(6)G511(4)1G5C(1)	CC05CG511(4)	CCR05CG511(4)(1)(7)
560.0	C05(6)G561(4)1G5C(1)	CC05CG561(4)	CCR05CG561(4)(1)(7)
620.0	C05(6)G621(4)1G5C(1)	CC05CG621(4)	CCR05CG621(4)(1)(7)
680.0	C05(6)G681(4)1G5C(1)	CC05CG681(4)	CCR05CG681(4)(1)(7)
750.0	C05(6)G751(4)1G5C(1)	CC05CG751(4)	CCR05CG751(4)(1)(7)
820.0	C05(6)G821(4)1G5C(1)	CC05CG821(4)	CCR05CG821(4)(1)(7)
910.0	C05(6)G911(4)1G5C(1)	CC05CG911(4)	CCR05CG911(4)(1)(7)
1,000.0	C05(6)G102(4)1G5C(1)	CC05CG102(4)	CCR05CG102(4)(1)(7)
1,100.0	C05(6)G112(4)1G5C(1)	CC05CG112(4)	CCR05CG112(4)(1)(7)
1,200.0	C05(6)G122(4)1G5C(1)	CC05CG122(4)	CCR05CG122(4)(1)(7)
1,300.0	C05(6)G132(4)1G5C(1)	CC05CG132(4)	CCR05CG132(4)(1)(7)
1,500.0	C05(6)G152(4)1G5C(1)	CC05CG152(4)	CCR05CG152(4)(1)(7)
1,600.0	C05(6)G162(4)1G5C(1)	CC05CG162(4)	CCR05CG162(4)(1)(7)
1,800.0	C05(6)G182(4)1G5C(1)	CC05CG182(4)	CCR05CG182(4)(1)(7)
<b>50 VOLT – C052/056 SIZE (CC(R)05 PER MIL-PRF-20/35)</b>			
2,000.0	C05(6)G202(4)5G5C(1)	CC05CG202(4)	CCR05CG202(4)(1)(7)
2,200.0	C05(6)G222(4)5G5C(1)	CC05CG222(4)	CCR05CG222(4)(1)(7)
2,400.0	C05(6)G242(4)5G5C(1)	CC05CG242(4)	CCR05CG242(4)(1)(7)
2,700.0	C05(6)G272(4)5G5C(1)	CC05CG272(4)	CCR05CG272(4)(1)(7)
3,000.0	C05(6)G302(4)5G5C(1)	CC05CG302(4)	CCR05CG302(4)(1)(7)
3,300.0	C05(6)G332(4)5G5C(1)	CC05CG332(4)	CCR05CG332(4)(1)(7)

To complete Part Number, insert the following letters:  
 (1) Available Failure Rates: A (CC styles only); M, P, R & S (CCR styles only).  
 (2) Available Capacitance Tolerances: B, C.  
 (3) Available Capacitance Tolerances: B, C, D.  
 (4) Available Capacitance Tolerances: F, G, J.  
 (5) Available Capacitance Tolerances: F, G, J, K.  
 (6) Insert "2" for standard design, Style C052G  
 Insert "6" for stand-off design, Style C056G } Stand-offs are available  
 only as CCR's, not available as CC.  
 (7) Add "V" for stand-off design, Style C056G  
 And leave blank for the flat bottom design (C052G)

# CERAMIC MOLDED/RADIAL — MIL-PRF-20

## ULTRA-STABLE TEMPERATURE CHARACTERISTIC — CG (EIA-C0G)

### RATINGS & PART NUMBER REFERENCE

CAP. pF	KEMET PART NUMBER	MILITARY STYLE CC	MILITARY STYLE CCR
<b>200 VOLT – C062/066 SIZE (CC(R)06 PER MIL-PRF-20/36)</b>			
360.0	C06(6)G361(4)2G5C(1)	CC06CG361(4)	CCR06CG361(4)(1)(7)
390.0	C06(6)G391(4)2G5C(1)	CC06CG391(4)	CCR06CG391(4)(1)(7)
430.0	C06(6)G431(4)2G5C(1)	CC06CG431(4)	CCR06CG431(4)(1)(7)
470.0	C06(6)G471(4)2G5C(1)	CC06CG471(4)	CCR06CG471(4)(1)(7)
510.0	C06(6)G511(4)2G5C(1)	CC06CG511(4)	CCR06CG511(4)(1)(7)
560.0	C06(6)G561(4)2G5C(1)	CC06CG561(4)	CCR06CG561(4)(1)(7)
620.0	C06(6)G621(4)2G5C(1)	CC06CG621(4)	CCR06CG621(4)(1)(7)
680.0	C06(6)G681(4)2G5C(1)	CC06CG681(4)	CCR06CG681(4)(1)(7)
750.0	C06(6)G751(4)2G5C(1)	CC06CG751(4)	CCR06CG751(4)(1)(7)
820.0	C06(6)G821(4)2G5C(1)	CC06CG821(4)	CCR06CG821(4)(1)(7)
910.0	C06(6)G911(4)2G5C(1)	CC06CG911(4)	CCR06CG911(4)(1)(7)
1,000.0	C06(6)G102(4)2G5C(1)	CC06CG102(4)	CCR06CG102(4)(1)(7)
1,100.0	C06(6)G112(4)2G5C(1)	CC06CG112(4)	CCR06CG112(4)(1)(7)
1,200.0	C06(6)G122(4)2G5C(1)	CC06CG122(4)	CCR06CG122(4)(1)(7)
1,300.0	C06(6)G132(4)2G5C(1)	CC06CG132(4)	CCR06CG132(4)(1)(7)
1,500.0	C06(6)G152(4)2G5C(1)	CC06CG152(4)	CCR06CG152(4)(1)(7)
1,600.0	C06(6)G162(4)2G5C(1)	CC06CG162(4)	CCR06CG162(4)(1)(7)
1,800.0	C06(6)G182(4)2G5C(1)	CC06CG182(4)	CCR06CG182(4)(1)(7)
<b>100 VOLT – C062/066 SIZE (CC(R)06 PER MIL-PRF-20/36)</b>			
2,000.0	C06(6)G202(4)1G5C(1)	CC06CG202(4)	CCR06CG202(4)(1)(7)
2,200.0	C06(6)G222(4)1G5C(1)	CC06CG222(4)	CCR06CG222(4)(1)(7)
2,400.0	C06(6)G242(4)1G5C(1)	CC06CG242(4)	CCR06CG242(4)(1)(7)
2,700.0	C06(6)G272(4)1G5C(1)	CC06CG272(4)	CCR06CG272(4)(1)(7)
3,000.0	C06(6)G302(4)1G5C(1)	CC06CG302(4)	CCR06CG302(4)(1)(7)
3,300.0	C06(6)G332(4)1G5C(1)	CC06CG332(4)	CCR06CG332(4)(1)(7)
3,600.0	C06(6)G362(4)1G5C(1)	CC06CG362(4)	CCR06CG362(4)(1)(7)
3,900.0	C06(6)G392(4)1G5C(1)	CC06CG392(4)	CCR06CG392(4)(1)(7)
4,300.0	C06(6)G432(4)1G5C(1)	CC06CG432(4)	CCR06CG432(4)(1)(7)
4,700.0	C06(6)G472(4)1G5C(1)	CC06CG472(4)	CCR06CG472(4)(1)(7)
<b>50 VOLT – C062/066 SIZE (CC(R)06 PER MIL-PRF-20/36)</b>			
5,100.0	C06(6)G512(5)5G5C(1)	CC06CG512(5)	CCR06CG512(5)(1)(7)
5,600.0	C06(6)G562(5)5G5C(1)	CC06CG562(5)	CCR06CG562(5)(1)(7)
6,200.0	C06(6)G622(5)5G5C(1)	CC06CG622(5)	CCR06CG622(5)(1)(7)
6,800.0	C06(6)G682(5)5G5C(1)	CC06CG682(5)	CCR06CG682(5)(1)(7)
7,500.0	C06(6)G752(5)5G5C(1)	CC06CG752(5)	CCR06CG752(5)(1)(7)

- To complete Part Number, insert the following letters:
- (1) Available Failure Rates: A (CC styles only); M, P, R & S (CCR styles only).
  - (2) Available Capacitance Tolerances: B, C.
  - (3) Available Capacitance Tolerances: B, C, D.
  - (4) Available Capacitance Tolerances: F, G, J.
  - (5) Available Capacitance Tolerances: F, G, J, K.
  - (6) Insert "2" for standard design, Style C062G } Stand-offs are available  
 Insert "6" for stand-off design, Style C066G } only as CCR's, not available as CC.
  - (7) Add "V" for stand-off design, Style C066G  
 And leave blank for the flat bottom design (C062G)
  - (8) Available Capacitance Tolerances: G, J, K

CAP. pF	KEMET PART NUMBER	MILITARY STYLE CC	MILITARY STYLE CCR
<b>50 VOLT – C062/066 SIZE (CC(R)06 PER MIL-PRF-20/36)</b>			
8,200.0	C06(6)G822(5)5G5C(1)	CC06CG822(5)	CCR06CG822(5)(1)(7)
9,100.0	C06(6)G912(5)5G5C(1)	CC06CG912(5)	CCR06CG912(5)(1)(7)
10,000.0	C06(6)G103(5)5G5C(1)	CC06CG103(5)	CCR06CG103(5)(1)(7)
12,000.0	C06(6)G123(5)5G5C(1)	CC06CG123(5)	CCR06CG123(5)(1)(7)
15,000.0	C06(6)G153(5)5G5C(1)	CC06CG153(5)	CCR06CG153(5)(1)(7)
18,000.0	C06(6)G183(5)5G5C(1)	CC06CG183(5)	CCR06CG183(5)(1)(7)
<b>200 VOLT – C512 SIZE (CC(R)07 PER MIL-PRF-20/37)</b>			
2,200.0	C512G222(5)2G5C(1)	CC07CG222(5)	CCR07CG222(5)(1)
2,700.0	C512G272(5)2G5C(1)	CC07CG272(5)	CCR07CG272(5)(1)
3,300.0	C512G332(5)2G5C(1)	CC07CG332(5)	CCR07CG332(5)(1)
3,900.0	C512G392(5)2G5C(1)	CC07CG392(5)	CCR07CG392(5)(1)
4,700.0	C512G472(5)2G5C(1)	CC07CG472(5)	CCR07CG472(5)(1)
<b>100 VOLT – C512 SIZE (CC(R)07 PER MIL-PRF-20/37)</b>			
5,600.0	C512G562(5)1G5C(1)	CC07CG562(5)	CCR07CG562(5)(1)
6,800.0	C512G682(5)1G5C(1)	CC07CG682(5)	CCR07CG682(5)(1)
8,200.0	C512G822(5)1G5C(1)	CC07CG822(5)	CCR07CG822(5)(1)
10,000.0	C512G103(5)1G5C(1)	CC07CG103(5)	CCR07CG103(5)(1)
12,000.0	C512G123(5)1G5C(1)	CC07CG123(5)	CCR07CG123(5)(1)
<b>50 VOLT – C512 SIZE (CC(R)07 PER MIL-PRF-20/37)</b>			
15,000.0	C512G153(5)5G5C(1)	CC07CG153(5)	CCR07CG153(5)(1)
18,000.0	C512G183(5)5G5C(1)	CC07CG183(5)	CCR07CG183(5)(1)
22,000.0	C512G223(5)5G5C(1)	CC07CG223(5)	CCR07CG223(5)(1)
27,000.0	C512G273(5)5G5C(1)	CC07CG273(5)	CCR07CG273(5)(1)
33,000.0	C512G333(5)5G5C(1)	CC07CG333(5)	CCR07CG333(5)(1)
39,000.0	C512G393(5)5G5C(1)	CC07CG393(5)	CCR07CG393(5)(1)
47,000.0	C512G473(5)5G5C(1)	CC07CG473(5)	CCR07CG473(5)(1)
56,000.0	C512G563(5)5G5C(1)	CC07CG563(5)	CCR07CG563(5)(1)
68,000.0	C512G683(5)5G5C(1)	CC07CG683(5)	CCR07CG683(5)(1)
83,000.0	C512G833(5)5G5C(1)	CC07CG833(5)	CCR07CG833(5)(1)
100,000.0	C512G104(5)5G5C(1)	CC07CG104(5)	CCR07CG104(5)(1)
<b>200 VOLT – C522 SIZE (CC(R)08 PER MIL-PRF-20/38)</b>			
3,900.0	C522G392(8)2G5C(1)	CC08CG392(8)	CCR08CG392(8)(1)
4,700.0	C522G472(8)2G5C(1)	CC08CG472(8)	CCR08CG472(8)(1)
<b>100 VOLT – C522 SIZE (CC(R)08 PER MIL-PRF-20/38)</b>			
15,000.0	C522G153(8)1G5C(1)	CC08CG153(8)	CCR08CG153(8)(1)
18,000.0	C522G183(8)1G5C(1)	CC08CG183(8)	CCR08CG183(8)(1)
<b>50 VOLT – C522 SIZE (CC(R)08 PER MIL-PRF-20/38)</b>			
56,000.0	C522G563(8)5G5C(1)	CC08CG563(8)	CCR08CG563(8)(1)
68,000.0	C522G683(8)5G5C(1)	CC08CG683(8)	CCR08CG683(8)(1)

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