

HOW TO ORDER CDR QPL MIL-PRF-55681 PARTS

(See spec on DLA website.)

CDR01		BX		472		B		K		M		S	
Military Size & Style 0805		Dielectric Code VTC = +15% / -25%		Capacitance Code 4700pF (see page 14)		Rated Voltage 100V		Capacitance Tolerance ± 10%		Termination Finish PdAg		Product Level Code Failure Rate S = 0.001% per 1000 hrs.	
MIL-PRF-55681 Style	Case Size	Dielectric Codes	Voltage Temp. Limits	Voltage Codes	Rated Voltage	Tolerance Codes	Cap. Tolerance	Termination Finish Codes	Finish	Prod. Level Codes	Failure Rate		
01	0805	BP	0 ± 30ppm/°C	A	50 V	F	± 1%	M	Palladium/silver alloy	C	non-ER		
02	1805	BX	+15% / -25%	B	100 V	G	± 2%	N	Silver - nickel - gold	M	1% per 1000 hrs.		
03	1808					J	± 5%	S	Solder coated final w/min. of 3% lead	P	0.1% per 1000 hrs.		
04	1812	Capacitance Codes Two significant figures followed by the number of zeros. Examples: 0R1 = 0.1 pF 102 = 1000 p 1R0 = 1.0 pF 103 = .01 μF 100 = 10 pF 104 = .10 μF 101 = 100 pF 105 = 1.0 μF				K	± 10%	T	Silver	R	0.01% per 1000 hrs.		
05	1825					M	± 20%	U	Base metalization - nickel - solder coated (tin/lead alloy, w/min. 3% lead)	S	0.001% per 1000 hrs.		
06	2225							Z	Base metalization - nickel - solder plated (tin/lead alloy, w/min. 3% lead)				
31	0805												
32	1206												
33	1209												
34	1812												
35	1725												

For information on CDR 11, 12, 13, & 14, please consult our Pages from the NPO Capacitor 7100 Catalog.

HOW TO ORDER M123 QPL PARTS

(See spec on DLA website.)

M123A		10		BX		B		103		K		Z	
Performance Spec. No. & Modification		Slash Sheet No.		Dielectric Code VTC = +15% / -25%		Voltage Code 50V		Capacitance Code 0.01μF (see page 15)		Cap. Tolerance Code ± 10%		Termination Finish Ni/SnPb	
MIL-PRF-123 Slash Sheet	Case Size	Dielectric Codes	Voltage Temp. Limits	Voltage Codes	Rated Voltage	Tolerance Codes	Cap. Tolerance	Termination Finish Codes	Finish				
10	0805	BP	0 ± 30ppm/°C	B	50 V	B	± 0.1 pF	G	Silver - nickel - gold				
11	1210	BX	+15 / -25%	C	100 V	C	± 0.25 pF	M	Palladium/silver alloy				
12	1808					D	± 0.5 pF	S	Silver - Nickel - Solder coated				
13	2225	Capacitance Codes Two significant figures followed by the number of zeros. Examples: 0R1 = 0.1 pF 102 = 1000 p 1R0 = 1.0 pF 103 = .01 μF 100 = 10 pF 104 = .10 μF 101 = 100 pF 105 = 1.0 μF				F	± 1%	Z	Silver - Nickel - Solder plated				
21	1206					G	± 2%			J	± 5%		
22	1812					K	± 10%						
23	1825					M	± 20%						

Note: Tin/lead alloy with a minimum of 3 percent lead for termination finish S and Z

ELECTRICAL CHARACTERISTICS

Dielectric Type	Rated Voltage (V)	Temperature Coefficient (TC) from -55° to +125°C Bias = 0 Volt	Temperature Voltage Coefficient (VTC) from -55° to +125°C Bias = Rated Voltage
NPO	ALL	± 30 PPM	NOT SPECIFIED
BP	ALL	± 30 PPM	± 30 PPM
BX	25/50/100	±15%	+15, -25%
BR	200	±15%	+15, -40%
BQ	500	±15%	+15, -50%
X7R	ALL	±15%	NOT SPECIFIED

STORAGE RECOMMENDATIONS

MOISTURE SENSITIVITY LEVEL: MSL1
ESD SENSITIVITY: NONE
RECOMMENDED STORAGE CONDITIONS (for unmounted parts):
 Ceramic capacitors should be stored indoors, in their original packaging, in a controlled temperature of 5 to 30°C (41 to 86°F) and a relative humidity below 60%. We recommend checking the solderability after 12 months of storage.

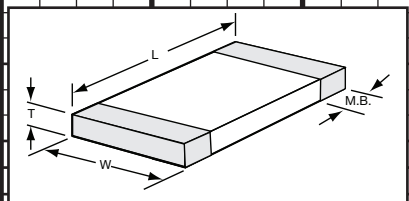


MIL-PRF-123 CKS CHIP CAPACITORS

(Consult DLA website for the latest revision)

SIZE		0805		1206		SIZE		0805		1206		1210		1808		1812		1825		2225	
SLASH SHEET:		10E		21D		SLASH SHEET:		10E		21D		11F		12E		22D		23C		13F	
M123		CKS51		CKS55		M123		CKS51		CKS55		CKS52		CKS53		CKS56		CKS57		CKS54	
L inch (mm)		0.080 (2.03)		0.126 (3.20)		L inch (mm)		0.080 (2.03)		0.126 (3.20)		0.120 (3.05)		0.180 (4.57)		0.180 (4.57)		0.180 (4.57)		0.225 (5.72)	
W inch (mm)		0.065 (1.27)		0.063 (1.60)		W inch (mm)		0.065 (1.27)		0.063 (1.60)		0.100 (2.54)		0.080 (2.03)		0.125 (3.18)		0.255 (6.35)		0.250 (6.35)	
T MAX. inch (mm)		0.055 (1.40)		0.059 (1.50)		T MAX. inch (mm)		0.055 (1.40)		0.059 (1.50)		0.065 (1.65)		0.065 (1.65)		0.080 (2.03)		0.080 (2.03)		0.070 (1.78)	
M.B. inch (mm)		0.020 (0.51)		0.020 (0.51)		M.B. inch (mm)		0.020 (0.51)		0.020 (0.51)		0.020 (0.51)		0.020 (0.51)		0.020 (0.51)		0.020 (0.51)		0.020 (0.51)	
DIELECTRIC		BP BP		BP BP		DIELECTRIC		BP BP BX BX		BP BP BX BX		BP BP BX BX		BP BP BX BX		BP BP BX BX		BP BP BX BX		BP BX	
WVDC		100 50		100 50		WVDC		100 50 100 50		100 50 100 50		100 50 100 50		100 50 100 50		100 50 100 50		100 50 100 50		50 50	
pF	CODE					pF/μF	CODE														
1.0	1R0					300	301														
1.1	1R1					330	331														
1.2	1R2					360	361														
1.3	1R3					390	391														
1.5	1R5					430	431														
1.6	1R6					470	471														
1.8	1R8					510	511														
2.0	2R0					560	561														
2.2	2R2					620	621														
2.4	2R4					680	681														
2.7	2R7					750	751														
3.0	3R0					820	821														
3.3	3R3					910	911														
3.6	3R6					1000	102														
3.9	3R9					1100	112														
4.3	4R3					1200	122														
4.7	4R7					1300	132														
5.1	5R1					1500	152														
5.6	5R6					1600	162														
6.2	6R2					1800	182														
6.8	6R8					2000	202														
7.5	7R5					2200	222														
8.2	8R2					2400	242														
9.1	9R1					2700	272														
10	100					3000	302														
11	110					3300	332														
12	120					3600	362														
13	130					3900	392														
15	150					4300	432														
16	160					4700	472														
18	180					5100	512														
20	200					5600	562														
22	220					6200	622														
24	240					6800	682														
27	270					7500	752														
30	300					8200	822														
33	330					9100	912														
39	390					0.010	103														
43	430					0.011	113														
47	470					0.012	123														
51	510					0.013	133														
56	560					0.015	153														
62	620					0.016	163														
68	680					0.018	183														
75	750					0.020	203														
82	820					0.022	223														
91	910					0.027	273														
100	101					0.033	333														
110	111					0.039	393														
120	121					0.047	473														
130	131					0.056	563														
150	151					0.068	683														
160	161					0.082	823														
180	181					0.10	104														
200	201					0.12	124														
220	221					0.15	154														
240	241					0.18	184														
270	271					0.22	224														
						0.27	274														
						0.33	334														
						0.39	394														
						0.47	474														
						1	105														

μF starts
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HOW TO ORDER A QPL MIL-PRF-123 PART (See spec on DLA website. Example: M123B10BXB103KZ)

M123A	10	BX	B	103	K	Z
Performance Spec. No.	Slash Sheet No.	Dielectric Code VTC = +15% / -40%	Voltage Code 50 V	Capacitance 0.01 μF	Tolerance Code ± 10%	Termination Finish Ni/SnPb