

# PRESIDIO MILITARY SPECIFICATION PART NUMBERS CDR11 AND CDR12 – MIL-PRF-55681

## CAPACITOR CHARACTERISTICS – SIZE 0505

Type Designation	Capacitance (pF)	Cap. Tolerance	Rated Temp. & Voltage-Temp. Limits	Rated Voltage (V dc)
CDR1-BP0R1-B -	0.1	B	BP	50, 150
CDR1-BP0R2-B -	0.2	B	BP	50, 150
CDR1-BP0R3 - - -	0.3	B, C	BP	50, 150
CDR1-BP0R4 - - -	0.4	B, C	BP	50, 150
CDR1-BP0R5 - - -	0.5	B, C, D	BP	50, 150
CDR1-BP0R6 - - -	0.6	B, C, D	BP	50, 150
CDR1-BP0R7 - - -	0.7	B, C, D	BP	50, 150
CDR1-BP0R8 - - -	0.8	B, C, D	BP	50, 150
CDR1-BP0R9 - - -	0.9	B, C, D	BP	50, 150
CDR1-BP1R0 - - -	1	B, C, D	BP	50, 150
CDR1-BP1R1 - - -	1.1	B, C, D	BP	50, 150
CDR1-BP1R2 - - -	1.2	B, C, D	BP	50, 150
CDR1-BP1R3 - - -	1.3	B, C, D	BP	50, 150
CDR1-BP1R4 - - -	1.4	B, C, D	BP	50, 150
CDR1-BP1R5 - - -	1.5	B, C, D	BP	50, 150
CDR1-BP1R6 - - -	1.6	B, C, D	BP	50, 150
CDR1-BP1R7 - - -	1.7	B, C, D	BP	50, 150
CDR1-BP1R8 - - -	1.8	B, C, D	BP	50, 150
CDR1-BP1R9 - - -	1.9	B, C, D	BP	50, 150
CDR1-BP2R0 - - -	2	B, C, D	BP	50, 150
CDR1-BP2R1 - - -	2.1	B, C, D	BP	50, 150
CDR1-BP2R2 - - -	2.2	B, C, D	BP	50, 150
CDR1-BP2R4 - - -	2.4	B, C, D	BP	50, 150
CDR1-BP2R7 - - -	2.7	B, C, D	BP	50, 150
CDR1-BP3R0 - - -	3	B, C, D	BP	50, 150
CDR1-BP3R3 - - -	3.3	B, C, D	BP	50, 150
CDR1-BP3R6 - - -	3.6	B, C, D	BP	50, 150
CDR1-BP3R9 - - -	3.9	B, C, D	BP	50, 150
CDR1-BP4R3 - - -	4.3	8, C, D	BP	50, 150
CDR1-BP4R7 - - -	4.7	B, C, D	BP	50, 150
CDR1-BP5R1 - - -	5.1	B, C, D	BP	50, 150
CDR1-BP5R6 - - -	5.6	B, C, D	BP	50, 150
CDR1-BP6R2 - - -	6.2	B, C, D	BP	50, 150
CDR1-BP6R8 - - -	6.8	B, C, J, K, M	BP	50, 150
CDR1-BP7R5 - - -	7.5	B, C, J, K, M	BP	50, 150
CDR1-BP8R2 - - -	8.2	B, C, J, K, M	BP	50, 150
CDR1-BP9R1 - - -	9.1	B, C, J, K, M	BP	50, 150
CDR1-BP100 - - -	10	F, G, J, K, M	BP	50, 150
CDR1-BP110 - - -	11	F, G, J, K, M	BP	50, 150
CDR1-BP120 - - -	12	F, G, J, K, M	BP	50, 150
CDR1-BP130 - - -	13	F, G, J, K, M	BP	50, 150
CDR1-BP150 - - -	15	F, G, J, K, M	BP	50, 150
CDR1-BP160 - - -	16	F, G, J, K, M	BP	50, 150

## SPACE LEVEL 'S' DLA DWG 06022

Type Designation	Capacitance (pF)	Cap. Tolerance	Rated Temp. & Voltage-Temp. Limits	Rated Voltage (V dc)
CDR1-BP180 - - - -	18	F, G, J, K, M	BP	50, 150
CDR1-BP200 - - - -	20	F, G, J, K, M	BP	50, 150
CDR1-BP220 - - - -	22	F, G, J, K, M	BP	50, 150
CDR1-BP240 - - - -	24	F, G, J, K, M	BP	50, 150
CDR1-BP270 - - - -	27	F, G, J, K, M	BP	50, 150
CDR1-BP300 - - - -	30	F, G, J, K, M	BP	50, 150
CDR1-BP330 - - - -	33	F, G, J, K, M	BP	50, 150
CDR1-BP360 - - - -	36	F, G, J, K, M	BP	50, 150
CDR1-BP390 - - - -	39	F, G, J, K, M	BP	50, 150
CDR1-BP430 - - - -	43	F, G, J, K, M	BP	50, 150
CDR1-BP470 - - - -	47	F, G, J, K, M	BP	50, 150
CDR1-BP510 - - - -	51	F, G, J, K, M	BP	50, 150
CDR1-BP560 - - - -	56	F, G, J, K, M	BP	50, 150
CDR1-BP620 - - - -	62	F, G, J, K, M	BP	50, 150
CDR1-BP680 - - - -	68	F, G, J, K, M	BP	50, 150
CDR1-BP750 - - - -	75	F, G, J, K, M	BP	50, 150
CDR1-BP820 - - - -	82	F, G, J, K, M	BP	50, 150
CDR1-BP910 - - - -	91	F, G, J, K, M	BP	50, 150
CDR1-BP101 - - - -	100	F, G, J, K, M	BP	50, 150
CDR1-BP111 - - - -	110	F, G, J, K, M	BP	50, 100
CDR1-BP121 - - - -	120	F, G, J, K, M	BP	50, 100
CDR1-BP131 - - - -	130	F, G, J, K, M	BP	50, 100
CDR1-BP151 - - - -	150	F, G, J, K, M	BP	50, 100
CDR1-BP161 - - - -	160	F, G, J, K, M	BP	50, 100
CDR1-BP181 - - - -	180	F, G, J, K, M	BP	50, 100
CDR1-BP201 - - - -	200	F, G, J, K, M	BP	50, 100
CDR1-BP221 - - - -	220	F, G, J, K, M	BP	50, 100
CDR1-BP241 - - - -	240	F, G, J, K, M	BP	50, 100
CDR1-BP271 - - - -	270	F, G, J, K, M	BP	50, 100
CDR1-BP301 - - - -	300	F, G, J, K, M	BP	50, 100
CDR1-BP331 - - - -	330	F, G, J, K, M	BP	50, 100
CDR1-BP361 - - - -	360	F, G, J, K, M	BP	50, 100
CDR1-BP391 - - - -	390	F, G, J, K, M	BP	50, 100
CDR1-BP431 - - - -	430	F, G, J, K, M	BP	50, 100
CDR1-BP471 - - - -	470	F, G, J, K, M	BP	50, 100
CDR1-BP511 - - - -	510	F, G, J, K, M	BP	50, 100
CDR1-BP561 - - - -	560	F, G, J, K, M	BP	50, 100
CDR1-BP621 - - - -	620	F, G, J, K, M	BP	50, 100
CDR1-BP681 - - - -	680	F, G, J, K, M	BP	50, 100
CDR1-BP751 - - - -	750	F, G, J, K, M	BP	50, 100
CDR1-BP821 - - - -	820	F, G, J, K, M	BP	50, 100
CDR1-BP911 - - - -	910	F, G, J, K, M	BP	50, 100
CDR1-BP102 - - - -	1,000	F, G, J, K, M	BP	50, 100

## PART NUMBER EXAMPLE (How to Order)

Visit our website for the complete MIL-PRF-55681 Specification

CDR11		BP	101	A	F	M	S
Mil Style	Voltage Temperature Limits	Capacitance	Rated Voltage Code	Cap Tolerance Code	Termination Finish		Failure Rate Level
CDR11 CDR12 Size 0505	BP = 0±30ppm/°C  BG=90±20ppm/°C (not currently offered)	3 Digit EIA Code	A = 50V B = 100V K = 150V	B = ±.10 pF < 10pF C = ±.25 pF < 10 pF D = ±.50 pF < 10 pF  F = ± 1% G = ± 2% J = ± 5% K = ± 10% M = ± 20%	M = Palladium/Silver N = Silver-Nickel-Gold	CDR11 Only	M = 1.0% P = 0.1%
					S = Solder Coated, Final with a Minimum of 4% Lead U = Base Metalization, Barrier Metal, Solder Coated (Tin/Lead Alloy with a Minimum of 4% Lead) Z = Base Metalization, Barrier Metal, Tinned (Tin/Lead Alloy with Minimum of 4% Lead)	CDR12 Only	R = 0.01% S = 0.001%

## DIMENSIONS – CDR11 AND CDR12 CAPACITORS

Consult factory for current qualification status.

Style Per MIL-C-55681	Length (L) Inches (mm)	Width (W) Inches (mm)	Thickness (T) Min Inches (mm)	Thickness (T) Max Inches (mm)	Metalization Band (M.B.) Inches (mm)
CDR11	0.055 ± 0.015 (1.40 ± 0.381)	0.055 ± 0.015 (1.40 ± 0.381)	0.020 (0.508)	0.057 (1.45)	0.010 – 0.005 + 0.010 (0.254 – 0.127 + 0.254)
CDR12	0.055 ± 0.025 (1.40 ± 0.635)	0.055 ± 0.015 (1.40 ± 0.381)	0.020 (0.508)	0.057 (1.45)	0.010 – 0.005 + 0.010 (0.254 – 0.127 + 0.254)

# PRESIDIO MILITARY SPECIFICATION PART NUMBERS CDR13 AND CDR14 – MIL-PRF-55681

## CAPACITOR CHARACTERISTICS – SIZE 1010

Type Designation	Cap. (pF)	Cap. Tolerance	Rated Temp. & Voltage-Temp. Limits	Rated Voltage (V dc)
CDR1-BP0R1-B - -	0.1	B	BP	200, 500
CDR1-BP0R2-B - -	0.2	B	BP	200, 500
CDR1-BP0R3 - - - -	0.3	B, C	BP	200, 500
CDR1-BP0R4 - - - -	0.4	B, C	BP	200, 500
CDR1-BP0R5 - - - -	0.5	B, C, D	BP	200, 500
CDR1-BP0R6 - - - -	0.6	B, C, D	BP	200, 500
CDR1-BP0R7 - - - -	0.7	B, C, D	BP	200, 500
CDR1-BP0R8 - - - -	0.8	B, C, D	BP	200, 500
CDR1-BP0R9 - - - -	0.9	B, C, D	BP	200, 500
CDR1-BP1R0 - - - -	1	B, C, D	BP	200, 500
CDR1-BP1R1 - - - -	1.1	B, C, D	BP	200, 500
CDR1-BP1R2 - - - -	1.2	B, C, D	BP	200, 500
CDR1-BP1R3 - - - -	1.3	B, C, D	BP	200, 500
CDR1-BP1R4 - - - -	1.4	B, C, D	BP	200, 500
CDR1-BP1R5 - - - -	1.5	B, C, D	BP	200, 500
CDR1-BP1R6 - - - -	1.6	B, C, D	BP	200, 500
CDR1-BP1R7 - - - -	1.7	B, C, D	BP	200, 500
CDR1-BP1R8 - - - -	1.8	B, C, D	BP	200, 500
CDR1-BP1R9 - - - -	1.9	B, C, D	BP	200, 500
CDR1-BP2R0 - - - -	2	B, C, D	BP	200, 500
CDR1-BP2R1 - - - -	2.1	B, C, D	BP	200, 500
CDR1-BP2R2 - - - -	2.2	B, C, D	BP	200, 500
CDR1-BP2R4 - - - -	2.4	B, C, D	BP	200, 500
CDR1-BP2R7 - - - -	2.7	B, C, D	BP	200, 500
CDR1-BP3R0 - - - -	3	B, C, D	BP	200, 500
CDR1-BP3R3 - - - -	3.3	B, C, D	BP	200, 500
CDR1-BP3R6 - - - -	3.6	B, C, D	BP	200, 500
CDR1-BP3R9 - - - -	3.9	B, C, D	BP	200, 500
CDR1-BP4R3 - - - -	4.3	B, C, D	BP	200, 500
CDR1-BP4R7 - - - -	4.7	B, C, D	BP	200, 500
CDR1-BP5R1 - - - -	5.1	B, C, D	BP	200, 500
CDR1-BP5R6 - - - -	5.6	B, C, D	BP	200, 500
CDR1-BP6R2 - - - -	6.2	B, C, D	BP	200, 500
CDR1-BP6R8 - - - -	6.8	B, C, J, K, M	BP	200, 500
CDR1-BP7R5 - - - -	7.5	B, C, J, K, M	BP	200, 500
CDR1-BP8R2 - - - -	8.2	B, C, J, K, M	BP	200, 500
CDR1-BP9R1 - - - -	9.1	B, C, J, K, M	BP	200, 500
CDR1-BP100 - - - -	10	F, G, J, K, M	BP	200, 500
CDR1-BP110 - - - -	11	F, G, J, K, M	BP	200, 500
CDR1-BP120 - - - -	12	F, G, J, K, M	BP	200, 500
CDR1-BP130 - - - -	13	F, G, J, K, M	BP	200, 500
CDR1-BP150 - - - -	15	F, G, J, K, M	BP	200, 500
CDR1-BP160 - - - -	16	F, G, J, K, M	BP	200, 500

Type Designation	Cap. (pF)	Cap. Tolerance	Rated Temp. & Voltage-Temp. Limits	Rated Voltage (V dc)
CDR1-BP180 - - - -	18	F, G, J, K, M	BP	200, 500
CDR1-BP200 - - - -	20	F, G, J, K, M	BP	200, 500
CDR1-BP220 - - - -	22	F, G, J, K, M	BP	200, 500
CDR1-BP240 - - - -	24	F, G, J, K, M	BP	200, 500
CDR1-BP270 - - - -	27	F, G, J, K, M	BP	200, 500
CDR1-BP300 - - - -	30	F, G, J, K, M	BP	200, 500
CDR1-BP330 - - - -	33	F, G, J, K, M	BP	200, 500
CDR1-BP360 - - - -	36	F, G, J, K, M	BP	200, 500
CDR1-BP390 - - - -	39	F, G, J, K, M	BP	200, 500
CDR1-BP430 - - - -	43	F, G, J, K, M	BP	200, 500
CDR1-BP470 - - - -	47	F, G, J, K, M	BP	200, 500
CDR1-BP510 - - - -	51	F, G, J, K, M	BP	200, 500
CDR1-BP560 - - - -	56	F, G, J, K, M	BP	200, 500
CDR1-BP620 - - - -	62	F, G, J, K, M	BP	200, 500
CDR1-BP680 - - - -	68	F, G, J, K, M	BP	200, 500
CDR1-BP750 - - - -	75	F, G, J, K, M	BP	200, 500
CDR1-BP820 - - - -	82	F, G, J, K, M	BP	200, 500
CDR1-BP910 - - - -	91	F, G, J, K, M	BP	200, 500
CDR1-BP101 - - - -	100	F, G, J, K, M	BP	200, 500
CDR1-BP111 - - - -	110	F, G, J, K, M	BP	200, 300
CDR1-BP121 - - - -	120	F, G, J, K, M	BP	200, 300
CDR1-BP131 - - - -	130	F, G, J, K, M	BP	200, 300
CDR1-BP151 - - - -	150	F, G, J, K, M	BP	200, 300
CDR1-BP161 - - - -	160	F, G, J, K, M	BP	200, 300
CDR1-BP181 - - - -	180	F, G, J, K, M	BP	200, 300
CDR1-BP201 - - - -	200	F, G, J, K, M	BP	200, 300
CDR1-BP221C - - - -	220	F, G, J, K, M	BP	200
CDR1-BP241C - - - -	240	F, G, J, K, M	BP	200
CDR1-BP271C - - - -	270	F, G, J, K, M	BP	200
CDR1-BP301C - - - -	300	F, G, J, K, M	BP	200
CDR1-BP331C - - - -	330	F, G, J, K, M	BP	200
CDR1-BP361C - - - -	360	F, G, J, K, M	BP	200
CDR1-BP391C - - - -	390	F, G, J, K, M	BP	200
CDR1-BP431C - - - -	430	F, G, J, K, M	BP	200
CDR1-BP471C - - - -	470	F, G, J, K, M	BP	200

SPACE LEVEL 'S'		DLA DWG 06022		
Type Designation	Cap. (pF)	Cap. Tolerance	Rated Temp. & Voltage-Temp. Limits	Rated Voltage (V dc)
CDR1-BP511B - - -	510	F, G, J, K, M	BP	100
CDR1-BP561B - - -	560	F, G, J, K, M	BP	100
CDR1-BP621B - - -	620	F, G, J, K, M	BP	100
CDR1-BP681A - - -	680	F, G, J, K, M	BP	50
CDR1-BP751A - - -	750	F, G, J, K, M	BP	50
CDR1-BP821A - - -	820	F, G, J, K, M	BP	50
CDR1-BP911A - - -	910	F, G, J, K, M	BP	50
CDR1-BP102A - - -	1,000	F, G, J, K, M	BP	50
CDR1-BP112A - - -	1,100	F, G, J, K, M	BP	50
CDR1-BP122A - - -	1,200	F, G, J, K, M	BP	50
CDR1-BP132A - - -	1,300	F, G, J, K, M	BP	50
CDR1-BP152A - - -	1,500	F, G, J, K, M	BP	50
CDR1-BP162A - - -	1,600	F, G, J, K, M	BP	50
CDR1-BP182A - - -	1,800	F, G, J, K, M	BP	50
CDR1-BP202A - - -	2,000	F, G, J, K, M	BP	50
CDR1-BP222A - - -	2,200	F, G, J, K, M	BP	50
CDR1-BP242A - - -	2,400	F, G, J, K, M	BP	50
CDR1-BP272A - - -	2,700	F, G, J, K, M	BP	50
CDR1-BP302A - - -	3,000	F, G, J, K, M	BP	50
CDR1-BP332A - - -	3,300	F, G, J, K, M	BP	50
CDR1-BP362A - - -	3,600	F, G, J, K, M	BP	50
CDR1-BP392A - - -	3,900	F, G, J, K, M	BP	50
CDR1-BP432A - - -	4,300	F, G, J, K, M	BP	50
CDR1-BP472A - - -	4,700	F, G, J, K, M	BP	50
CDR1-BP502A - - -	5,000	F, G, J, K, M	BP	50
CDR1-BP522A - - -	5,100	F, G, J, K, M	BP	50

## PART NUMBER EXAMPLE (How to Order)

CDR13	BP	101	C	F	M	S	
Mil Style	Voltage Temperature Limits	Capacitance	Rated Voltage Code	Cap Tolerance Code	Termination Finish		Failure Rate Level
CDR13 CDR14 Size 1010	BP = 0±30ppm/°C BG=90±20ppm/°C (not currently offered)	3 Digit EIA Code	C = 200V D = 300V E = 500V	B = ± .10 pF < 10pF C = ± .25 pF < 10 pF D = ± .50 pF < 10 pF F = ± 1% G = ± 2% J = ± 5% K = ± 10% M = ± 20%	M = Palladium/Silver N = Silver-Nickel-Gold S = Solder Coated, Final with a Minimum of 4% Lead U = Base Metalization, Barrier Metal, Solder Coated (Tin/Lead Alloy with a Minimum of 4% Lead) Z = Base Metalization, Barrier Metal, Tinned (Tin/Lead Alloy with Minimum of 4% Lead)	CDR13 Only CDR14 Only	M = 1.0% P = 0.1% R = 0.01% S = 0.001%

## DIMENSIONS – CDR13 AND CDR14 CAPACITORS

Style Per MIL-C-55681	Length (L) Inches (mm)	Width (W) Inches (mm)	Thickness (T) Min Inches (mm)	Thickness (T) Max Inches (mm)	Metalization Band (M.B.) Inches (mm)
CDR13	0.110 ± 0.020 (2.794 ± 0.508)	0.110 ± 0.020 (2.794 ± 0.508)	0.030 (0.762)	0.102 (2.591)	0.015 ± 0.010 (0.381 ± 0.254)
CDR14	0.110 – 0.020 + 0.035 (2.794 – 0.508 + 0.889)	0.110 ± 0.020 (2.794 ± 0.508)	0.030 (0.762)	0.102 (2.591)	0.015 ± 0.010 (0.381 ± 0.254)