

MILITARY SPECIFICATION PART NUMBERS CDR11 & 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	B, 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 06019

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	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 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)	CDR11 Only CDR12 Only	M = 1.0% P = 0.1% R = 0.01% S = 0.001%

DIMENSIONS — CDR11 AND CDR12 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)
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)

MILITARY SPECIFICATION PART NUMBERS CDR13 & 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	3 Digit EIA Code	C = 200V D = 300V E = 500V	B = ± .10 pF < 10pF	M = Palladium/Silver N = Silver-Nickel-Gold	CDR13 Only	M = 1.0% P = 0.1% R = 0.01% S = 0.001%
				C = ± .25 pF < 10 pF D = ± .50 pF < 10 pF			
				F = ± 1% G = ± 2% J = ± 5% K = ± 10% M = ± 20%		CDR14 Only	

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)