

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-B-0R1-B --	0.1	B	BG, BP	50, 150
CDR1-B-0R2-B --	0.2	B	BG, BP	50, 150
CDR1-B-0R3 ----	0.3	B, C	BG, BP	50, 150
CDR1-B-0R4 ----	0.4	B, C	BG, BP	50, 150
CDR1-B-0R5 ----	0.5	B, C, D	BG, BP	50, 150
CDR1-B-0R6 ----	0.6	B, C, D	BG, BP	50, 150
CDR1-B-0R7 ----	0.7	B, C, D	BG, BP	50, 150
CDR1-B-0R8 ----	0.8	B, C, D	BG, BP	50, 150
CDR1-B-0R9 ----	0.9	B, C, D	BG, BP	50, 150
CDR1-B-1R0 ----	1	B, C, D	BG, BP	50, 150
CDR1-B-1R1 ----	1.1	B, C, D	BG, BP	50, 150
CDR1-B-1R2 ----	1.2	B, C, D	BG, BP	50, 150
CDR1-B-1R3 ----	1.3	B, C, D	BC, BP	50, 150
CDR1-B-1R4 ----	1.4	B, C, D	BG, BP	50, 150
CDR1-B-1R5 ----	1.5	B, C, D	BG, BP	50, 150
CDR1-B-1R6 ----	1.6	B, C, D	BG, BP	50, 150
CDR1-B-1R7 ----	1.7	B, C, D	BG, BP	50, 150
CDR1-B-1R8 ----	1.8	B, C, D	BG, BP	50, 150
CDR1-B-1R9 ----	1.9	B, C, D	BG, BP	50, 150
CDR1-B-2R0 ----	2	B, C, D	BG, BP	50, 150
CDR1-B-2R1 ----	2.1	B, C, D	BG, BP	50, 150
CDR1-B-2R2 ----	2.2	B, C, D	BG, BP	50, 150
CDR1-B-2R4 ----	2.4	B, C, D	BG, BP	50, 150
CDR1-B-2R7 ----	2.7	B, C, D	BG, BP	50, 150
CDR1-B-3R0 ----	3	B, C, D	BC, BP	50, 150
CDR1-B-3R3 ----	3.3	B, C, D	BG, BP	50, 150
CDR1-B-3R6 ----	3.6	B, C, D	BG, BP	50, 150
CDR1-B-3R9 ----	3.9	B, C, D	BG, BP	50, 150
CDR1-B-4R3 ----	4.3	B, C, D	BG, BP	50, 150
CDR1-B-4R7 ----	4.7	B, C, D	BG, BP	50, 150
CDR1-B-5R1 ----	5.1	B, C, D	BG, BP	50, 150
CDR1-B-5R6 ----	5.6	B, C, D	BG, BP	50, 150
CDR1-B-6R2 ----	6.2	B, C, D	BG, BP	50, 150
CDR1-B-6R8 ----	6.8	B, C, J, K, M	BC, BP	50, 150
CDR1-B-7R5 ----	7.5	B, C, J, K, M	BG, BP	50, 150
CDR1-B-8R2 ----	8.2	B, C, J, K, M	BG, BP	50, 150
CDR1-B-9R1 ----	9.1	B, C, J, K, M	BG, BP	50, 150
CDR1-B-100 ---	10	F, G, J, K, M	BG, BP	50, 150
CDR1-B-110 ---	11	F, G, J, K, M	BG, BP	50, 150
CDR1-B-120 ---	12	F, G, J, K, M	BG, BP	50, 150
CDR1-B-130 ---	13	F, G, J, K, M	BG, BP	50, 150
CDR1-B-150 ---	15	F, G, J, K, M	BG, BP	50, 150
CDR1-B-160 ---	16	F, G, J, K, M	BG, BP	50, 150

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DSCC DWG 06019

Type Designation	Capacitance (pF)	Cap. Tolerance	Rated Temp. & Voltage-Temp. Limits	Rated Voltage (V dc)
CDR1-B-180 ----	18	F, G, J, K, M	BG, BP	50, 150
CDR1-B-200 ----	20	F, G, J, K, M	BG, BP	50, 150
CDR1-B-220 ----	22	F, G, J, K, M	BG, BP	50, 150
CDR1-B-240 ----	24	F, G, J, K, M	BG, BP	50, 150
CDR1-B-270 ----	27	F, G, J, K, M	BG, BP	50, 150
CDR1-B-300 ----	30	F, G, J, K, M	BG, BP	50, 150
CDR1-B-330 ----	33	F, G, J, K, M	BG, BP	50, 150
CDR1-B-360 ----	36	F, G, J, K, M	BG, BP	50, 150
CDR1-B-390 ----	39	F, G, J, K, M	BG, BP	50, 150
CDR1-B-430 ----	43	F, G, J, K, M	BG, BP	50, 150
CDR1-B-470 ----	47	F, G, J, K, M	BG, BP	50, 150
CDR1-B-510 ----	51	F, G, J, K, M	BG, BP	50, 150
CDR1-B-560 ----	56	F, G, J, K, M	BG, BP	50, 150
CDR1-B-620 ----	62	F, G, J, K, M	BG, BP	50, 150
CDR1-B-680 ----	68	F, G, J, K, M	BG, BP	50, 150
CDR1-B-750 ----	75	F, G, J, K, M	BG, BP	50, 150
CDR1-B-820 ----	82	F, G, J, K, M	BG, BP	50, 150
CDR1-B-910 ----	91	F, G, J, K, M	BG, BP	50, 150
CDR1-B-101 ----	100	F, G, J, K, M	BG, BP	50, 150
CDR1-BP111A ---	110	F, G, J, K, M	BP	50, 100
CDR1-BP121A ---	120	F, G, J, K, M	BP	50, 100
CDR1-BP131A ---	130	F, G, J, K, M	BP	50, 100
CDR1-BP151A ---	150	F, G, J, K, M	BP	50, 100
CDR1-BP161A ---	160	F, G, J, K, M	BP	50, 100
CDR1-BP181A ---	180	F, G, J, K, M	BP	50, 100
CDR1-BP201A ---	200	F, G, J, K, M	BP	50, 100
CDR1-BP221A ---	220	F, G, J, K, M	BP	50, 100
CDR1-BP241A ---	240	F, G, J, K, M	BP	50, 100
CDR1-BP271A ---	270	F, G, J, K, M	BP	50, 100
CDR1-BP301A ---	300	F, G, J, K, M	BP	50, 100
CDR1-BP331A ---	330	F, G, J, K, M	BP	50, 100
CDR1-BP361A ---	360	F, G, J, K, M	BP	50, 100
CDR1-BP391A ---	390	F, G, J, K, M	BP	50, 100
CDR1-BP431A ---	430	F, G, J, K, M	BP	50, 100
CDR1-BP471A ---	470	F, G, J, K, M	BP	50, 100
CDR1-BP511A ---	510	F, G, J, K, M	BP	50, 100
CDR1-BP561A ---	560	F, G, J, K, M	BP	50, 100
CDR1-BP621A ---	620	F, G, J, K, M	BP	50, 100
CDR1-BP681A ---	680	F, G, J, K, M	BP	50, 100
CDR1-BP751A ---	750	F, G, J, K, M	BP	50, 100
CDR1-BP821A ---	820	F, G, J, K, M	BP	50, 100
CDR1-BP911A ---	910	F, G, J, K, M	BP	50, 100
CDR1-BP102A ---	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	BG = 90 ± 20 ppm / °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	M = Palladium/Silver N = Silver-Nickel-Gold	CDR11 Only	M = 1.0% P = 0.1% R = 0.01% S = 0.001%
	BP = 0 ± 30 ppm / °C						
Size 0505							

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)

See capacitor diagram on Page 17.

Consult factory for current qualification status.

MILITARY SPECIFICATION PART NUMBERS CDR13 AND CDR14 — MIL-PRF-55681

CAPACITOR CHARACTERISTICS — SIZE 1010

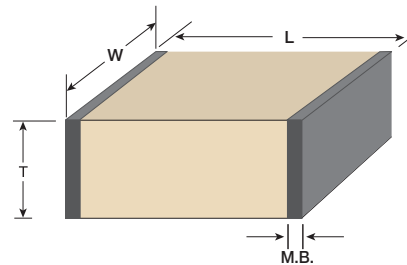
Type Designation	Capacitance (pF)	Cap. Tolerance	Rated Temp. & Voltage-Temp. Limits	Rated Voltage (V dc)
CDR1-B-0R1-B --	0.1	B	BG, BP	200, 500
CDR1-B-0R2-B --	0.2	B	BG, BP	200, 500
CDR1-B-0R3 ----	0.3	B, C	BG, BP	200, 500
CDR1-B-0R4 ----	0.4	B, C	BG, BP	200, 500
CDR1-B-0R5 ----	0.5	B, C, D	BG, BP	200, 500
CDR1-B-0R6 ----	0.6	B, C, D	BG, BP	200, 500
CDR1-B-0R7 ----	0.7	B, C, D	BG, BP	200, 500
CDR1-B-0R8 ----	0.8	B, C, D	BG, BP	200, 500
CDR1-B-0R9 ----	0.9	B, C, D	BG, BP	200, 500
CDR1-B-1R0 ----	1	B, C, D	BG, BP	200, 500
CDR1-B-1R1 ----	1.1	B, C, D	BG, BP	200, 500
CDR1-B-1R2 ----	1.2	B, C, D	BG, BP	200, 500
CDR1-B-1R3 ----	1.3	B, C, D	BC, BP	200, 500
CDR1-B-1R4 ----	1.4	B, C, D	BG, BP	200, 500
CDR1-B-1R5 ----	1.5	B, C, D	BG, BP	200, 500
CDR1-B-1R6 ----	1.6	B, C, D	BG, BP	200, 500
CDR1-B-1R7 ----	1.7	B, C, D	BG, BP	200, 500
CDR1-B-1R8 ----	1.8	B, C, D	BG, BP	200, 500
CDR1-B-1R9 ----	1.9	B, C, D	BG, BP	200, 500
CDR1-B-2R0 ----	2	B, C, D	BG, BP	200, 500
CDR1-B-2R1 ----	2.1	B, C, D	BG, BP	200, 500
CDR1-B-2R2 ----	2.2	B, C, D	BG, BP	200, 500
CDR1-B-2R4 ----	2.4	B, C, D	BG, BP	200, 500
CDR1-B-2R7 ----	2.7	B, C, D	BG, BP	200, 500
CDR1-B-3R0 ----	3	B, C, D	BC, BP	200, 500
CDR1-B-3R3 ----	3.3	B, C, D	BG, BP	200, 500
CDR1-B-3R6 ----	3.6	B, C, D	BG, BP	200, 500
CDR1-B-3R9 ----	3.9	B, C, D	BG, BP	200, 500
CDR1-B-4R3 ----	4.3	8, C, D	BG, BP	200, 500
CDR1-B-4R7 ----	4.7	B, C, D	BG, BP	200, 500
CDR1-B-5R1 ----	5.1	B, C, D	BG, BP	200, 500
CDR1-B-5R6 ----	5.6	B, C, D	BG, BP	200, 500
CDR1-B-6R2 ----	6.2	B, C, D	BG, BP	200, 500
CDR1-B-6R8 ----	6.8	B, C, J, K, M	BC, BP	200, 500
CDR1-B-7R5 ----	7.5	B, C, J, K, M	BG, BP	200, 500
CDR1-B-8R2 ----	8.2	B, C, J, K, M	BG, BP	200, 500
CDR1-B-9R1 ----	9.1	B, C, J, K, M	BG, BP	200, 500
CDR1-B-100 ----	10	F, G, J, K, M	BG, BP	200, 500
CDR1-B-110 ----	11	F, G, J, K, M	BG, BP	200, 500
CDR1-B-120 ----	12	F, G, J, K, M	BG, BP	200, 500
CDR1-B-130 ----	13	F, G, J, K, M	BG, BP	200, 500
CDR1-B-150 ----	15	F, G, J, K, M	BG, BP	200, 500
CDR1-B-160 ----	16	F, G, J, K, M	BG, BP	200, 500

SPACE LEVEL 'S'

DSCC DWG 06019

Type Designation	Capacitance (pF)	Cap. Tolerance	Rated Temp. & Voltage-Temp. Limits	Rated Voltage (V dc)
CDR1-B-180 ----	18	F, G, J, K, M	BG, BP	200, 500
CDR1-B-200 ----	20	F, G, J, K, M	BG, BP	200, 500
CDR1-B-220 ----	22	F, G, J, K, M	BG, BP	200, 500
CDR1-B-240 ----	24	F, G, J, K, M	BG, BP	200, 500
CDR1-B-270 ----	27	F, G, J, K, M	BG, BP	200, 500
CDR1-B-300 ----	30	F, G, J, K, M	BG, BP	200, 500
CDR1-B-330 ----	33	F, G, J, K, M	BG, BP	200, 500
CDR1-B-360 ----	36	F, G, J, K, M	BG, BP	200, 500
CDR1-B-390 ----	39	F, G, J, K, M	BG, BP	200, 500
CDR1-B-430 ----	43	F, G, J, K, M	BG, BP	200, 500
CDR1-B-470 ----	47	F, G, J, K, M	BG, BP	200, 500
CDR1-B-510 ----	51	F, G, J, K, M	BG, BP	200, 500
CDR1-B-560 ----	56	F, G, J, K, M	BG, BP	200, 500
CDR1-B-620 ----	62	F, G, J, K, M	BG, BP	200, 500
CDR1-B-680 ----	68	F, G, J, K, M	BG, BP	200, 500
CDR1-B-750 ----	75	F, G, J, K, M	BG, BP	200, 500
CDR1-B-820 ----	82	F, G, J, K, M	BG, BP	200, 500
CDR1-B-910 ----	91	F, G, J, K, M	BG, BP	200, 500
CDR1-B-101 ----	100	F, G, J, K, M	BG, BP	200, 500

For Information on MIL-PRF-55681
Visit our Website at:
www.presidiocomponents.com



Consult Presidio for Current
Qualification Status

PART NUMBER EXAMPLE (How to Order)

Mil Style	Voltage Temperature Limits	Capacitance	Rated Voltage Code	Cap Tolerance Code	Termination Finish	Failure Rate Level
CDR13 CDR14	BG = 90 ± 20 ppm / °C BP = 0 ± 30 ppm / °C	3 Digit EIA Code	C = 200V 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
Size 1010						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)

See capacitor diagram above.