

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

## CAPACITOR CHARACTERISTICS — SIZE 1010

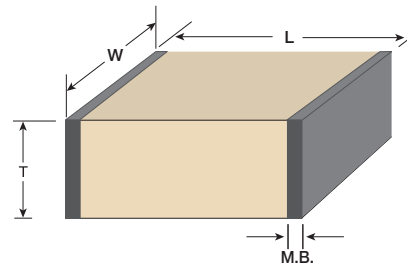
Type Designation	Capacitance (pF)	Cap. Tolerance	Rated Temp. & Voltage-Temp. Limits	Rated Voltage (V dc)
CDR1-B-0R1-B --	0.1	B	BG, BP	200, 500
CDR1-B-0R2-B --	0.2	B	BG, BP	200, 500
CDR1-B-0R3 ----	0.3	B, C	BG, BP	200, 500
CDR1-B-0R4 ----	0.4	B, C	BG, BP	200, 500
CDR1-B-0R5 ----	0.5	B, C, D	BG, BP	200, 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](http://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  Size 1010	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	CDR13 Only M = 1.0%
					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)	CDR14 Only 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.