

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	8, 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

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	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		BG	101	A	C	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 C = ± .25 pF D = ± .50 pF F = ± 1% G = ± 2% J = ± 5% K = ± 10% M = ± 20%	M = Palladium/Silver	CDR11 Only	M = 1.0%
	BP = 0 ± 30 ppm / °C				N = Silver-Nickel-Gold		
Size 0505					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) W = Base Metalization, Barrier Metal, Tinned (Tin or Tin/Lead Alloy) Z = Base Metalization, Barrier Metal, Tinned (Tin/Lead Alloy with Minimum of 4% Lead)		R = 0.01% S = 0.001%

DIMENSIONS – CDR 11 AND CDR 12 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	.055 ± .015 (1.40 ± .381)	.055 ± .015 (1.40 ± .381)	.020 (.508)	.057 (1.45)	.010 - .005 + .010 (.254 - .127 + .254)
CDR12	.055 ± .025 (1.40 ± .635)	.055 ± .015 (1.40 ± .381)	.020 (.508)	.057 (1.45)	.010 - .005 + .010 (.254 - .127 + .254)

See capacitor diagram on Page 15.

Consult factory for current qualification status.

MILITARY SPECIFICATION PART NUMBERS

CDR13 – MIL-PRF-55681

CAPACITOR CHARACTERISTICS – SIZE 1010

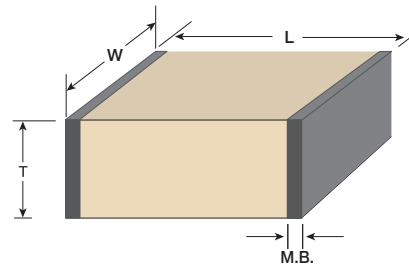
Type Designation	Capacitance (pF)	Cap. Tolerance	Rated Temp. & Voltage-Temp. Limits	Rated Voltage (V dc)
CDR1-B-0R1-B --	0.1	B	BG, BP	200, 500
CDR1-B-0R2-B --	0.2	B	BG, BP	200, 500
CDR1-B-0R3 - - - -	0.3	B, C	BG, BP	200, 500
CDR1-B-0R4 - - - -	0.4	B, C	BG, BP	200, 500
CDR1-B-0R5 - - - -	0.5	B, C, D	BG, 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)

CDR13		BG	101	C	C	M	S
Mil Style	Voltage Temperature Limits	Capacitance	Rated Voltage Code	Cap Tolerance Code	Termination Finish		Failure Rate Level
CDR13	BG = 90 ± 20 ppm / °C BP = 0 ± 30 ppm / °C	3 Digit EIA Code	C = 200V E = 500V	B = ± .10 pF C = ± .25 pF D = ± .50 pF F = ± 1% G = ± 2% J = ± 5% K = ± 10% M = ± 20%	M = Palladium/Silver		CDR13 Only M = 1.0% P = 0.1% R = 0.01% S = 0.001%
Size 1010							

DIMENSIONS – CDR13 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	.110 ± .020 (2.794 ± .508)	.110 ± .020 (2.794 ± .508)	.102 (2.591)	.102 (2.591)	.015 ± .010 (.381 ± .254)

See capacitor diagram above.

PRESIDIO SCREENING LEVELS

COMMERCIAL • HR • CR

SCREENING LEVELS		Commercial*	Voltage Conditioning Per Group A of MIL-PRF-55681	DPA & Voltage Conditioning Per Group A of MIL-PRF-55681	
PREFIX:		(Blank)	HR	CR	
SCREENING LEVEL CODES:		(Blank)	(Blank)	(Blank)	
BASIC TESTING	Capacitance — All parts are tested at 25°C and 1VACRMS in accordance with Method 305 of MIL-STD-202.	100%	100%	100%	
	Dissipation Factor	100%	100%	100%	
	Dielectric Withstanding Voltage (DWV) — All parts are tested at 2.5X rated voltage in accordance with Method 301 of MIL-STD-202.	100%	100%	100%	
	Insulation Resistance (IR at 25°C) — All parts are tested at 25°C and Rated Voltage in accordance with Method 302 of MILSTD-202. The minimum IR required is 100,000 Megohms or 1,000 Megohm-Microfarads.	100%	100%	100%	
	Insulation Resistance (IR @ 125°C) — All parts are tested at 125°C and Rated Voltage in accordance with Method 302 of MIL-STD-202. The minimum IR required is 10,000 Megohms or 100 Megohm-Microfarads.	NO	NO	NO	
	Solderability (SnPn plated in accordance with Method 208 of MIL-STD-202). Wirebonding Test (Gold in accordance with Method 2011 of Mil-SDT-883).	YES	YES	YES	
RELIABILITY TESTING	GROUP A	Thermal Shock (20 Cycles) — All parts are temperature cycled for 20 cycles to MIL-STD-202 Method 107, Condition A, except that max temperature is 125°C.	NO	NO	NO
		Voltage Conditioning (100%) — All parts receive a voltage conditioning at 2X rated voltage and 125°C for a minimum of 168 hours and a maximum of 264 hours. Voltage Conditioning may be terminated at any time between 168 and 264 hour time interval when failures are less than .1% or 1 piece during the last 48 hours of the test. Method follows MIL-PRF-123. Resistors, instead of fuses are acceptable.	NO	8 Hrs. Min.	100 Hrs.
		Percent Defective Allowed (PDA) — The cumulative PDA after Voltage Conditioning is 5%. Pieces rejected as out of tolerance for capacitance or visual screening will be removed from the lot but not counted in the PDA calculation.	NO	8%	8%
		Destructive Physical Analysis (DPA) — A representative sample is pulled from each lot and examined per EIA RS469 and to verify adherence to Presidio's design criteria. Sample size is per MIL-PRF-123.	NO	NO	YES
		Voltage Temperature Limit — VTC (when applicable)	NO	NO	NO
		Visual Inspection — A 100% inspection is performed IAW MIL-PRF-123 Appendix B.	Samples	Samples	Samples
		Mechanical Inspection (Dimensions) — Level 1 AQL 1% in accordance with MIL-PRF-123.	YES	YES	YES
	GROUP B	Thermal Shock (100 Cycles) — A sample is pulled from each lot. 100 Thermal Shock cycles are performed before Life Test.	NO	NO	NO
		Life-Test — is performed for 1000 hours at 2X rated voltage and 125°C. Sample size and method follows MIL-PRF-123.	NO	NO	NO
		Ultrasonic Examination — This screening sample will be performed on lots to assure the highest quality microstructure. 100% ultrasonic scanning is not required for each lot, and must be specified on the customer order. Separate charge applies for 100% ultrasonic scanning.	NO	NO	NO
		Humidity Steady State Low Voltage (85°C/85% humidity) — A sample of 12 pieces is pulled from each lot and tested per Method 103 of MIL-STD 202.	NO	NO	NO
		Moisture Resistance — in accordance with Method 106 of MIL-STD-202.	NO	NO	NO
		GROUP C	Terminal Strength — in accordance with Method 211 of MIL-STD-202.	NO	NO
	Solderability — in accordance with Method 208 of MIL-STD-202.		NO	NO	NO
	Resistance to Soldering Heat — in accordance with Method 210 of MIL-STD-202.		NO	NO	NO
QUALIFIED FOR SPACE FLIGHTS		NO	NO	Not Recommended	
LEAD-TIME ARO (Weeks)		3 to 13	3 to 13	3 to 13	

Call Presidio if you would like more information on our screening options.

Presidio's UP capacitors can be upscreened to SPACE LEVEL testing. Consult the factory for details. Some voltage derating may apply.

PART NUMBER EXAMPLE (How to Order)

SR	1010	UP	101	J	6	T	1	C	#M123	A
Prefix *	Size	Dielectric (See Page 3)	Capacitance	Capacitance Tolerance	Voltage	Termination	Packaging	RoHS Compliant	Screening Level (See Above)	Design-In Code (See Page 19)

PRESIDIO SCREENING LEVELS

CDR • HR#55681 • SR • SR#M123 • SR#S311 • SR#N1 • SR#N2

SCREENING LEVELS See complete descriptions on Page 16		MIL-PRF-55681 CDR TYPE Capacitors	Group A & B Per MIL-PRF-55681	Group A Per MIL-PRF-123 Plus Options	Group A & B Per MIL-PRF-123	Screened Per NASA DWG S311-P-829	NASA EEE-INST-002 Level 1	NASA EEE-INST-002 Level 2
PREFIX:		CDR 11, 12 or 13	HR	SR	SR	SR	SR	SR
SCREENING LEVEL CODES:		(See Pg. 14 & 15)	#55681	(Blank)	#M123	#S311	#N1	#N2
BASIC TESTING	Capacitance	100%	100%	100%	100%	100%	100%	100%
	Dissipation Factor	100%	100%	100%	100%	100%	100%	100%
	Dielectric Withstanding Voltage	100%	100%	100%	100%	100%	100%	100%
	Insulation Resistance	100%	100%	100%	100%	100%	100%	100%
	Insulation Resistance	SAMPLE Only	SAMPLE Only	100%	100%	100%	100%	Sample
	Solderability or Wirebonding Test	YES	YES	YES	YES	YES	YES	YES
RELIABILITY TESTING	Thermal Shock (20 Cycles)	NO	NO	YES	YES	YES	YES	YES 5 Cycles
	Voltage Conditioning	100 Hrs.	100 Hrs.	168 H Min. with 0.1% or 1 pcs. in the last 48 Hrs.	168 H Min. with 0.1% or 1 pcs. in the last 48 Hrs.	168 H Min. with 0.1% or 1 pcs. in the last 48 Hrs.	168 H Min. with 0.1% or 1 pcs. in the last 48 Hrs.	100 Hrs.
	Percent Defective Allowed	8%	8%	5%	5%	5%	5%	10%
	Destructive Physical Analysis (DPA)	NO	NO	YES	YES	YES	YES	YES
	Voltage Temperature Limit	NO (only for qualification once a year)	Yes when applicable	Optional 12 pcs. (when applicable)	N/A	N/A	12 pcs.	6 pcs.
	Visual Inspection	Samples	Samples	100%	100%	100%	100%	100%
	Mechanical Inspection	YES	YES	YES	YES	YES	YES	YES
	Thermal Shock (100 Cycles)	NO	NO	OPTIONAL	YES	YES	NO	NO
	Life-Test	NO (only for qualification once a year)	2000 Hrs, 25 pcs. 1 rejects allowed	OPTIONAL	1000 Hrs. 25 or 80 or 125 pcs. 0/1/2 rejects allowed	1000 Hrs. 45 or 125 pcs. 0 rejects allowed	2000 Hrs., 22 pcs. 0 rejects allowed	1000 Hrs. 22 pcs. 1 reject allowed
	Ultrasonic Examination	NO	NO	OPTIONAL	YES Sample 100% Optional	YES Sample 100% Optional	Not required	Not required
	Humidity Steady State Low Voltage	NO (only for qualification once a year)	YES	OPTIONAL	YES	YES	YES	YES
	Moisture Resistance	NO (only for qualification once a year)	YES for Size 0805 and larger	Optional for Size 0805 and larger	Optional for Size 0805 and larger	Optional for Size 0805 and larger	YES for Size 0805 and larger	YES for Size 0805 and larger
	Terminal Strength	NO	NO	OPTIONAL	OPTIONAL	OPTIONAL	NO	NO
	Solderability	NO	NO	OPTIONAL	OPTIONAL	OPTIONAL	YES	YES
	Resistance to Soldering Heat	NO	NO	OPTIONAL	OPTIONAL	OPTIONAL	YES Radiographic Inspection	YES
QUALIFIED FOR SPACE FLIGHTS		YES for S-Level	YES with full Group C	YES (depending on screening options purchased)	YES	YES	YES	YES
LEAD-TIME ARO (Weeks)		3 to 13	3 to 13	3 to 22	3 to 22	3 to 22	3 to 28	3 to 22

Call Presidio if you would like more information on our screening options.

Presidio's UP capacitors can be upscreened to SPACE LEVEL testing. Consult the factory for details. Some voltage derating may apply.

PART NUMBER EXAMPLE (How to Order)

SR	1010	UP	101	J	6	T	1	C	#M123	A
Prefix *	Size	Dielectric (See Page 3)	Capacitance	Capacitance Tolerance	Voltage	Termination	Packaging	RoHS Compliant	Screening Level (See Above)	Design-In Code (See Page 19)

* Leave blank for Commercial parts

A WORD TO THE DESIGN ENGINEER

After the design work is done, outsourcing manufacturing on a global basis is a management option. At Presidio Components, we are striving for complete customer satisfaction which includes “after” service for all of our products.

We added a “Design In” locator code for quick traceability, if needed. Please select your location from the list below and add the appropriate code at the end of the part number.

If you need assistance give us a call at **(858) 578-9390** or email us at **info@presidiocomponents.com**.

UNITED STATES

OUTSIDE THE UNITED STATES

USA	Code	USA	Code	Americas	Code	Europe	Code
Alabama	G	Nebraska	P	Canada	R	Austria	3
Alaska	P	Nevada, North	B	Mexico	R	Belgium	1
Arizona	D	Nevada, South	C	Caribbean	R	Denmark	5
Arkansas	P	New Hampshire	L	Central America	R	Finland	5
California, North	B	New Jersey	J	South America	R	France	2
California, South	C	New Mexico	D			Germany	3
Colorado	E	New York, Metro	J	Pacific Rim		Ireland	6
Connecticut	L	New York, Upstate	K	Australia	S	Italy	4
Delaware	I	North Carolina	G	China	T	Luxembourg	1
District of Columbia	H	North Dakota	O	Japan	U	Netherlands	1
Florida	G	Ohio	M	Korea, South	V	Norway	5
Georgia	G	Oklahoma	P	Malaysia	W	Sweden	5
Hawaii	P	Oregon	A	Singapore	X	Switzerland	3
Idaho	A	Pennsylvania	I	Other Pacific Rim Countries	Y	United Kingdom	6
Illinois	N	Rhode Island	L			Other European Countries	7
Indiana	M	South Carolina	G			Other	
Iowa	O	South Dakota	O			India	Z
Kansas	P	Tennessee	G			Israel	8
Kentucky	M	Texas	F			Rest of World	9
Louisiana	P	Utah	E				
Maine	L	Vermont	L				
Maryland	H	Virginia	H				
Massachusetts	L	Washington	A				
Michigan	N	West Virginia	P				
Minnesota	O	Wisconsin, East	N				
Mississippi	G	Wisconsin, West	O				
Missouri	N	Wyoming	E				
Montana	A						

**PART NUMBER EXAMPLE:
0505UP101JAT1CA**
Add Design-In Code at the end
of the Presidio part number.