



Export Control Regulations and ITAR Free

MIL-PRF-55681 CDR Styles

MICROWAVE MULTILAYER CAPACITORS FOR MILITARY AND AEROSPACE APPLICATIONS TEMEX CERAMICS NATO CODE : FAQY3

I. CONFORMANCE INSPECTION

Inspection of military product for delivery shall consist of main electrical parameters, according to MIL-STD-202 test methods, and group A inspection, as described in MIL-PRF-55681.

Inspection	Sample Size	MIL-STD-202	MIL-PRF-55681
Capacitance	100%	Test Method 305A	
Dissipation Factor	100%	Test Method 306	
Insulation Resistance	100%	Test Method 302	
Dielectric Withstanding Voltage	100%	Test Method 301	
Insulation Resistance (+125°C)	Column A (*)	Test Method 302	4.8.6
Visual and Mechanical Examination	Column B (*)		4.8.2
ESR (RF)	6 units		4.8.8 / Appendix A (figures A-3 and A-4)
Solderability	13 units	Test Method 208H	4.8.10



Test Method 305A Capacitance test, go/no-go check, no measurement data
 Test Method 306 Dissipation Factor test, go/no-go check, no measurement data
 Test Method 302 Insulation Resistance test, go/no-go check, no measurement data
 Test Method 301 Dielectric Withstanding Voltage test, go/no-go check, no measurement data

(*) See Sample Size Chart below

Lot Size	Sample Size	
	Column A	Column B
1 - 13	100%	100%
14 - 125	100%	13
126 - 150	125	13
151 - 280	125	20
281 - 500	125	29
501 - 1'200	125	34
1'201 - 3'200	125	42
3'201 - 10'000	192	50
10'001 - 35'000	294	60
35'001 - 150'000	294	74
150'001 - 500'000	345	90
500'001 - up	435	102

TEMEX CERAMICS reserves the right to modify herein specifications and information at any time when necessary to provide optimum performance and cost.

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II. CAPACITOR CHARACTERISTICS

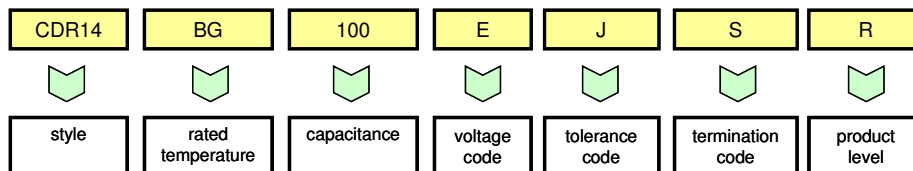
Equivalent mechanical configurations of CDR styles (high-frequency) - capacitor, chip, multiple layer, fixed, ceramic dielectric, established reliability and non-established reliability – as described in MIL-STD-55681/4 and 5 performance specification sheets.

<i>MIL-PRF-55681 Styles</i>	<i>Rated and Voltage Temperature Limits</i>	<i>Equivalent Part Number</i>	<i>Lead and Termination</i>
CDR11 / CDR12	BG	CHA	W
CDR11 / CDR12	BP	SHA	W
CDR13 / CDR14	BG	CHB	W
CDR13 / CDR14	BP	SHB	W
CDR21	BG	CHB	1
CDR21	BP	SHB	1
CDR22	BG	CHB	2
CDR23	BG	CHB	6
CDR24	BG	CHB	3
CDR25	BG	CHB	7

NB: termination W is Solder Coated, Final.

III. PART NUMBERING

III.1. MIL



III.2. Temex Ceramics

