INCH-POUND
MIL-PRF-55681G
SUPPLEMENT 1
12 July 2016

PERFORMANCE SPECIFICATION

CAPACITOR, CHIP, MULTIPLE LAYER, FIXED, CERAMIC DIELECTRIC, ESTABLISHED RELIABILITY AND NON-ESTABLISHED RELIABILITY, GENERAL SPECIFICATION FOR

This supplement forms a part of MIL-PRF-55681G, dated 12 July 2016.

SPECIFICATION SHEETS

MIL-PRF-55681/1	-	Capacitors, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Styles CDR01, CDR02, CDR03, and CDR04
MIL-PRF-55681/2	-	Capacitors, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Style CDR05
MIL-PRF-55681/3	-	Capacitors, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Style CDR06
MIL-PRF-55681/4	-	Capacitor, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Styles CDR11, CDR12, CDR13, and CDR14 (High Frequency)
MIL-PRF-55681/5	-	Capacitors, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Styles CDR21, CDR22, CDR23, CDR24, and CDR25 (High Frequency)
MIL-PRF-55681/7	-	Capacitors, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Style CDR31, Metric
MIL-PRF-55681/8	-	Capacitors, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Style CDR32, Metric
MIL-PRF-55681/9	-	Capacitors, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Style CDR33, Metric
MIL-PRF-55681/10	-	Capacitors, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Style CDR34, Metric
MIL-PRF-55681/11	-	Capacitors, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Style CDR35, Metric
MIL-PRF-55681/12	-	Capacitor, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Style CDR36
MIL-PRF-55681/13	-	Capacitor, Chip, Multiple Layer, Fixed, Ceramic Dielectric, Established Reliability and Non-Established Reliability, Style CDR37

TABLE I. Available values.

Specification sheet	Style	Chip size	Dielectric	Voltage (V_{dc})	Values	Notes
1	CDR01	0805	BP	100	10pF - 180pF	
1	CDR01	0805	BX	100	120pF - 3,300pF	
1	CDR01	0805	BX	50	3,900pF - 4,700pF	
1	CDR02	1805	BP	100	220pF - 270pF	
1	CDR02	1805	BX	100	3,900pF - 10,000pF	
1	CDR02	1805	BX	50	12,000pF - 22,000pF	
1	CDR03	1808	BP	100	330pF - 1,000pF	
1	CDR03	1808	BX	100	12,000pF - 33,000pF	
1	CDR03	1808	BX	50	39,000pF - 68,000pF	
1	CDR04	1812	BP	100	1,200pF - 3,300pF	
1	CDR04	1812	BX	100	39,000pF - 56,000pF	
1	CDR04	1812	BX	50	82,000pF - 180,000pF	
2	CDR05	1825	BP	100	3,900pF - 5,600pF	
2	CDR05	1825	BX	100	68,000pF - 150,000pF	
2	CDR05	1825	BX	50	220,000pF - 330,000pF	
3	CDR06	2225	BP	100	6,800pF - 10,000pF	
3	CDR06	2225	BX	50	390,000pF - 470,000pF	
4	CDR11, CDR12	0505	BG, BP	50, 150	.1pF - 100pF	High frequency
4	CDR11, CDR12	0505	BP	50, 100	110pF - 1,000pF	High frequency
4	CDR13, CDR14	1111	BG, BP	200, 500	.1pF - 100pF	High frequency
4	CDR13, CDR14	1111	BG, BP	200, 300	110pF - 200pF	High frequency
4	CDR13, CDR14	1111	BG, BP	200	220pF - 470pF	High frequency
4	CDR13, CDR14	1111	BG, BP	100	510pF - 620pF	High frequency
4	CDR13, CDR14	1111	BG, BP	50	680pF - 1,000pF	High frequency
4	CDR13, CDR14	1111	BP	50	1,100pF - 5,100pF	High frequency
5	CDR21 thru CDR25	1311	BG, BP	500	.1pF - 100pF	High frequency, leaded
5	CDR21 thru CDR25	1311	BG, BP	300	110pF - 200pF	High frequency, leaded
5	CDR21 thru CDR25	1311	BG, BP	200	220pF - 470pF	High frequency, leaded
5	CDR21 thru CDR25	1311	BG, BP	100	510pF - 620pF	High frequency, leaded
5	CDR21 thru CDR25	1311	BG, BP	50	680pF - 1,000pF	High frequency, leaded
5	CDR21 thru CDR25	1311	BP	50	1,100pF - 5,100pF	High frequency, leaded
7	CDR31	0805	BP	100	1pF - 470pF	
7	CDR31	0805	BP	50	510pF - 680pF	
7	CDR31	0805	BX	100	470pF - 4700pF	
7	CDR31	0805	BX	50	5,600pF - 18,000pF	
8	CDR32	1206	BP	100	1pF - 1,000pF	
8	CDR32	1206	BP	50	1,100pF - 2,200pF	
8	CDR32	1206	BX	100	4,700pF - 15,000pF	
8	CDR32	1206	BX	50	18,000pF - 39,000pF	
9	CDR33	1210	BP	100	1,000pF - 2,200pF	
9	CDR33	1210	BP	50	2,400pF - 3,300pF	
9	CDR33	1210	BX	100	15,000pF - 27,000pF	
9	CDR33	1210	BX	50	39,000pF - 100,000pF	
10	CDR34	1812	BP	100	2,200pF - 4,700pF	
10	CDR34	1812	BP	50	5,100pF - 10,000pF	
10	CDR34	1812	BX	100	27,000pF - 56,000pF	
10	CDR34	1812	BX	50	100,000pF - 180,000pF	
11	CDR35	1825	BP	100	4,700pF - 10,000pF	
11	CDR35	1825	BP	50	11,000pF - 22,000pF	
11	CDR35	1825	BX	100	56,000pF - 150,000pF	
11	CDR35	1825	BX	50	180,000pF - 470,000pF	

TABLE I. Available values - Continued.

Specification sheet	Style	Chip size	Dielectric	Voltage (V_{dc})	Values	Notes
12	CDR36	0603	BP	100 1/	.5pF – 330pF	
12	CDR36	0603	BP	50 1/	390pF – 1,000pF	
12	CDR36	0603	BP	25 1/	1,200pF – 1,500pF	
12	CDR36	0603	BX	100 1/	100pF – 2,700pF	
12	CDR36	0603	BX	50 1/	3,300pF – 10,000pF	
12	CDR36	0603	BX	25 1/	12,000pF – 27,000pF	
12	CDR36	0603	BX	16 1/	33,000pF – 100,000pF	
12	CDR36	0603	BR	200 1/	100pF – 1,000pF	
12	CDR36	0603	BR	100 1/	1,200pF – 8,200pF	
12	CDR36	0603	BR	50 1/	10,000pF – 27,000pF	
12	CDR36	0603	BR	25 1/	33,000pF – 56,000pF	
12	CDR36	0603	BR	16 1/	68,000pF – 100,000pF	
13	CDR37	0402	BP	100 1/	.5pF – 180pF	
13	CDR37	0402	BP	50 1/	220pF	
13	CDR37	0402	BP	16 1/	270pF – 330pF	
13	CDR37	0402	BX	100 1/	100pF – 680pF	
13	CDR37	0402	BX	50 1/	820pF – 1,800pF	
13	CDR37	0402	BX	25 1/	2,200pF – 3,900pF	
13	CDR37	0402	BX	16 1/	4,700pF – 8,200pF	
13	CDR37	0402	BR	100 1/	100pF – 1,000pF	
13	CDR37	0402	BR	50 1/	1,200pF – 3,900pF	
13	CDR37	0402	BR	25 1/	4,700pF	
13	CDR37	0402	BR	16 1/	5,600pF – 10,000pF	

1/ This is the maximum rated voltage available. All lower voltage ratings are also available (In V_{dc}: V = 4, W = 6.3, X = 10, Y = 16, Z = 25, A = 50, B = 100, and C = 200).

Custodians:
Army - CR
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:
Army - CR

Agent:
DLA - CC

Review activities:
Army - MI
Navy - AS, MC, OS, SH
Air Force - 19, 99
Other - MDA

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using ASSIST Online database at https://assist.dla.mil.