Type 127P

MIL-PRF-39022/2

CHR19

Capacitors,
Fixed,
Metallized,
Nonmagnetic (end seals may be of magnetic material),
Paper-plastic film, or plastic film dielectric,
Direct current,
Hermetically sealed in metal cases,
Established reliability.

GENERAL CHARACTERISTICS

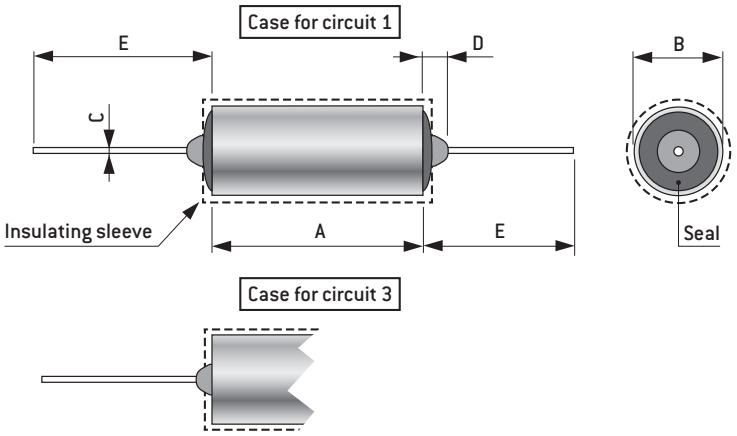
Dielectric material	Normally paper polyethylene-terephthalate
Rated temperature	–55°C to +125°C.
Capacitance range	47 nF to 8.2 µF
Voltage range	200 V and 400 V
Capacitance tolerance	±5%, ±10%
Failure rate level	**M** (1% / 1,000 hours), **P** (0.1% / 1,000 hours), **R** (0.01% / 1,000 hours).

Full details and most up to date information found at government website.

DIMENSIONS

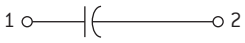
A	B
See tables on the next pages	

C		D		E	
Inches	(mm)	Inches	(mm)	Inches	(mm)
See note 1		0.172 max	(4.37 max)	1.625^{+1}_{-0}	$(41.28^{+25.4}_{-0})$

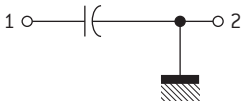


CIRCUIT DIAGRAM

Circuit 1



Circuit 3



INSULATION RESISTANCE

	At dc voltage of	
	200 V	400 V
In megohms: At +25°C ±3°C (need not exceed) At +125°C +4°C, –0°C (need not exceed)	12,000 150	12,000 600
In megohms x microfarads (minimum): At +25°C ±3°C At +125°C +4°C, –0°C	2,000 10	2,000 40

NOTES

1. Number 22 AWG wire 0.025"$^{\pm 0.002}$ (0.64$^{\pm 0.05}$ mm) for case diameters of 0.235" (5.97 mm) and 0.312" (7.92 mm). Number 20 AWG wire 0.032"$^{\pm 0.002}$ (0.81$^{\pm 0.05}$ mm) for case diameters of 0.400" (10.16 mm) and over.
2. See table below for additional dimensions.
3. Dimensions are in inches.
4. Metric equivalents are given for general information only.
5. Insulating sleeve shall extend beyond the capacitor body but shall not exceed 0.031" (0.79 mm) on either end. Insulating sleeve thickness shall not exceed 0.016" (0.41 mm).
6. Plastic insulating sleeve shall be transparent; marking shall be applied to the capacitor case.
7. Metric equivalents are in parentheses.
8. Lead length may be a minimum of one inch (25.4 mm) long for use in tape and reel packaging when specified in the ordering data.

HOW TO ORDER

M39022	/02-	1025
Performance Specification number	Specification sheet number	Nonsignificant dash number

M39022	/2	A	152	F	M
Performance Specification number	Specification sheet number	Circuit and voltage code	Capacitance in code	Capacitance tolerance in code	Product level designator
		A, B, C, D, E, F, G, H, J, K (See page 6)	Examples: **101** = 100pF **472** = 4.7nF **473** = 47nF	**J** = ±5% **K** = ±10%	**M** = 1% /1,000 hours **P** = 0.1% /1,000 hours **R** = 0.01% /1,000 hours

ELECTRICAL CHARACTERISTICS, DIMENSIONS, AND DASH NUMBERS

Type designation in MIL-C-39022/1B *	Nominal capacitance (µF)	Capacitance Tolerance (%)	Circuit diagram	Dimensions**				Dash number in			
				A ±0.062 (±1.57 mm)		B ±0.031 (±0.79 mm)		MIL-C-39022/1C thru MIL-PRF-39022/1G **			MIL-C-39022/1A and /1
								Failure rate level (%/1,000 hr)			
				Inches	(mm)	Inches	(mm)	M(1.0)	P(0.1)	R(0.01)	
Rated voltage 200 V_{DC}											
CHR19A1NC104--	0.10	5	1	1.125	(28.58)	0.312	(7.92)	1111	1221	1331	0001
CHR19A1NC104--	0.10	10	1	1.125	(28.58)	0.312	(7.92)	1112	1222	1332	0002
CHR19A3NC104--	0.10	5	3	1.062	(26.97)	0.312	(7.92)	1113	1223	1333	0003
CHR19A3NC104--	0.10	10	3	1.062	(26.97)	0.312	(7.92)	1114	1224	1334	0004
CHR19A1NC154--	0.15	5	1	1.125	(28.58)	0.312	(7.92)	1115	1225	1335	–
CHR19A1NC154--	0.15	10	1	1.125	(28.58)	0.312	(7.92)	1116	1226	1336	–
CHR19A3NC154--	0.15	5	3	1.062	(26.97)	0.312	(7.92)	1117	1227	1337	–
CHR19A3NC154--	0.15	10	3	1.062	(26.97)	0.312	(7.92)	1118	1228	1338	–
CHR19A1NC224--	0.22	5	1	1.125	(28.58)	0.400	(10.16)	1119	1229	1339	0005
CHR19A1NC224--	0.22	10	1	1.125	(28.58)	0.400	(10.16)	1120	1230	1340	0006
CHR19A3NC224--	0.22	5	3	1.062	(26.97)	0.400	(10.16)	1121	1231	1341	0007
CHR19A3NC224--	0.22	10	3	1.062	(26.97)	0.400	(10.16)	1122	1232	1342	0008
CHR19A1NC334--	0.33	5	1	1.125	(28.58)	0.500	(12.70)	1123	1233	1343	–
CHR19A1NC334--	0.33	10	1	1.125	(28.58)	0.500	(12.70)	1124	1234	1344	–
CHR19A3NC334--	0.33	5	3	1.062	(26.97)	0.500	(12.70)	1125	1235	1345	–
CHR19A3NC334--	0.33	10	3	1.062	(26.97)	0.500	(12.70)	1126	1236	1346	–
CHR19A1NC474--	0.47	5	1	1.125	(28.58)	0.500	(12.70)	1127	1237	1347	0009
CHR19A1NC474--	0.47	10	1	1.125	(28.58)	0.500	(12.70)	1128	1238	1348	0010
CHR19A3NC474--	0.47	5	3	1.062	(26.97)	0.500	(12.70)	1129	1239	1349	0011
CHR19A3NC474--	0.47	10	3	1.062	(26.97)	0.500	(12.70)	1130	1240	1350	0012
CHR19A1NC684--	0.68	5	1	1.375	(34.93)	0.562	(14.27)	1131	1241	1351	–
CHR19A1NC684--	0.68	10	1	1.375	(34.93)	0.562	(14.27)	1132	1242	1352	–
CHR19A3NC684--	0.68	5	3	1.312	(33.32)	0.562	(14.27)	1133	1243	1353	–
CHR19A3NC684--	0.68	10	3	1.312	(33.32)	0.562	(14.27)	1134	1244	1354	–
CHR19A1NC105--	1.0	5	1	1.625	(41.28)	0.562	(14.27)	1135	1245	1355	0013
CHR19A1NC105--	1.0	10	1	1.625	(41.28)	0.562	(14.27)	1136	1246	1356	0014
CHR19A3NC105--	1.0	5	3	1.562	(39.67)	0.562	(14.27)	1137	1247	1357	0015
CHR19A3NC105--	1.0	10	3	1.562	(39.67)	0.562	(14.27)	1138	1248	1358	0016
CHR19A1NC155--	1.5	5	1	1.844	(46.84)	0.562	(14.27)	1139	1249	1359	0017
CHR19A1NC155--	1.5	10	1	1.844	(46.84)	0.562	(14.27)	1140	1250	1360	0018
CHR19A3NC155--	1.5	5	3	1.781	(45.24)	0.562	(14.27)	1141	1251	1361	0019
CHR19A3NC155--	1.5	10	3	1.781	(45.24)	0.562	(14.27)	1142	1252	1362	0020
CHR19A1NC205--	2.0	5	1	1.844	(46.84)	0.672	(17.07)	1143	1253	1363	0021
CHR19A1NC205--	2.0	10	1	1.844	(46.84)	0.672	(17.07)	1144	1254	1364	0022
CHR19A3NC205--	2.0	5	3	1.781	(45.24)	0.672	(17.07)	1145	1255	1365	0023
CHR19A3NC205--	2.0	10	3	1.781	(45.24)	0.672	(17.07)	1146	1256	1366	0024
CHR19A1NC305--	3.0	5	1	2.125	(53.98)	0.750	(19.05)	1147	1257	1367	0025
CHR19A1NC305--	3.0	10	1	2.125	(53.98)	0.750	(19.05)	1148	1258	1368	0026
CHR19A3NC305--	3.0	5	3	2.062	(52.37)	0.750	(19.05)	1149	1259	1369	0027
CHR19A3NC305--	3.0	10	3	2.062	(52.37)	0.750	(19.05)	1150	1260	1370	0028
CHR19A1NC435--	4.3	5	1	2.625	(66.68)	0.750	(19.05)	1151	1261	1371	–
CHR19A1NC435--	4.3	10	1	2.625	(66.68)	0.750	(19.05)	1152	1262	1372	–
CHR19A3NC435--	4.3	5	3	2.562	(65.07)	0.750	(19.05)	1153	1263	1373	–
CHR19A3NC435--	4.3	10	3	2.562	(65.07)	0.750	(19.05)	1154	1264	1374	–
CHR19A1NC515--	5.1	5	1	1.875	(47.63)	1.000	(25.40)	1155	1265	1375	–
CHR19A1NC515--	5.1	10	1	1.875	(47.63)	1.000	(25.40)	1156	1266	1376	–
CHR19A3NC515--	5.1	5	3	1.812	(46.02)	1.000	(25.40)	1157	1267	1377	–
CHR19A3NC515--	5.1	10	3	1.812	(46.02)	1.000	(25.40)	1158	1268	1378	–
CHR19A1NC625--	6.2	5	1	2.125	(53.98)	1.000	(25.40)	1159	1269	1379	–
CHR19A1NC625--	6.2	10	1	2.125	(53.98)	1.000	(25.40)	1160	1270	1380	–
CHR19A3NC625--	6.2	5	3	2.062	(52.37)	1.000	(25.40)	1161	1271	1381	–
CHR19A3NC625--	6.2	10	3	2.062	(52.37)	1.000	(25.40)	1162	1272	1382	–
CHR19A1NC825--	8.2	5	1	2.625	(66.68)	1.000	(25.40)	1163	1273	1383	–
CHR19A1NC825--	8.2	10	1	2.625	(66.68)	1.000	(25.40)	1164	1274	1384	–
CHR19A3NC825--	8.2	5	3	2.562	(65.07)	1.000	(25.40)	1165	1275	1385	–
CHR19A3NC825--	8.2	10	3	2.562	(65.07)	1.000	(25.40)	1166	1276	1386	–

* Complete type designation will include additional symbols for capacitance tolerance and failure rate level.

** FRL L for revision C only.

Type 127P

MIL-PRF-39022/2

CHR19

ELECTRICAL CHARACTERISTICS, DIMENSIONS, AND DASH NUMBERS

Type designation in MIL-C-39022/1B *	Nominal capacitance (µF)	Capacitance Tolerance (%)	Circuit diagram	Dimensions**				Dash number in			
				A ±0.062 (±1.57 mm)		B ±0.031 (±0.79 mm)		MIL-C-39022/1C thru MIL-PRF-39022/1G ** Failure rate level (%/1,000 hr)			MIL-C-39022/1A and /1
				Inches	(mm)	Inches	(mm)	M(1.0)	P(0.1)	R(0.01)	
Rated voltage 400 V_{DC}											
CHR19A1NE473--	0.047	5	1	1.125	(28.58)	0.400	(10.16)	1167	1277	1387	0101
CHR19A1NE473--	0.047	10	1	1.125	(28.58)	0.400	(10.16)	1168	1278	1388	0102
CHR19A3NE473--	0.047	5	3	1.062	(26.97)	0.400	(10.16)	1169	1279	1389	0103
CHR19A3NE473--	0.047	10	3	1.062	(26.97)	0.400	(10.16)	1170	1280	1390	0104
CHR19A1NE683--	0.068	5	1	1.125	(28.58)	0.400	(10.16)	1171	1281	1391	–
CHR19A1NE683--	0.068	10	1	1.125	(28.58)	0.400	(10.16)	1172	1282	1392	–
CHR19A3NE683--	0.068	5	3	1.062	(26.97)	0.400	(10.16)	1173	1283	1393	–
CHR19A3NE683--	0.068	10	3	1.062	(26.97)	0.400	(10.16)	1174	1284	1394	0105
CHR19A1NE104--	0.1	5	1	1.125	(28.58)	0.500	(12.70)	1175	1285	1395	0106
CHR19A1NE104--	0.1	10	1	1.125	(28.58)	0.500	(12.70)	1176	1286	1396	0107
CHR19A3NE104--	0.1	5	3	1.062	(26.97)	0.500	(12.70)	1177	1287	1397	0108
CHR19A3NE104--	0.1	10	3	1.062	(26.97)	0.500	(12.70)	1178	1288	1398	–
CHR19A1NE154--	0.15	5	1	1.125	(28.58)	0.562	(14.27)	1179	1289	1399	–
CHR19A1NE154--	0.15	10	1	1.125	(28.58)	0.562	(14.27)	1180	1290	1400	–
CHR19A3NE154--	0.15	5	3	1.062	(26.97)	0.562	(14.27)	1181	1291	1401	–
CHR19A3NE154--	0.15	10	3	1.062	(26.97)	0.562	(14.27)	1182	1292	1402	0109
CHR19A1NE224--	0.22	5	1	1.375	(34.93)	0.562	(14.27)	1183	1293	1403	0110
CHR19A1NE224--	0.22	10	1	1.375	(34.93)	0.562	(14.27)	1184	1294	1404	0111
CHR19A3NE224--	0.22	5	3	1.312	(33.32)	0.562	(14.27)	1185	1295	1405	0112
CHR19A3NE224--	0.22	10	3	1.312	(33.32)	0.562	(14.27)	1186	1296	1406	–
CHR19A1NE334--	0.33	5	1	1.375	(34.93)	0.672	(17.07)	1187	1297	1407	–
CHR19A1NE334--	0.33	10	1	1.375	(34.93)	0.672	(17.07)	1188	1298	1408	–
CHR19A3NE334--	0.33	5	3	1.312	(33.32)	0.672	(17.07)	1189	1299	1409	–
CHR19A3NE334--	0.33	10	3	1.312	(33.32)	0.672	(17.07)	1190	1300	1410	0113
CHR19A1NE474--	0.47	5	1	1.625	(41.28)	0.672	(17.07)	1191	1301	1411	0114
CHR19A1NE474--	0.47	10	1	1.625	(41.28)	0.672	(17.07)	1192	1302	1412	0115
CHR19A3NE474--	0.47	5	3	1.562	(39.67)	0.672	(17.07)	1193	1303	1413	0116
CHR19A3NE474--	0.47	10	3	1.562	(39.67)	0.672	(17.07)	1194	1304	1414	–
CHR19A1NE684--	0.68	5	1	1.625	(41.28)	0.750	(19.05)	1195	1305	1415	–
CHR19A1NE684--	0.68	10	1	1.625	(41.28)	0.750	(19.05)	1196	1306	1416	–
CHR19A3NE684--	0.68	5	3	1.562	(39.67)	0.750	(19.05)	1197	1307	1417	–
CHR19A3NE684--	0.68	10	3	1.562	(39.67)	0.750	(19.05)	1198	1308	1418	0117
CHR19A1NE105--	1.0	5	1	1.875	(47.63)	0.750	(19.05)	1199	1309	1419	0118
CHR19A1NE105--	1.0	10	1	1.875	(47.63)	0.750	(19.05)	1200	1310	1420	0119
CHR19A3NE105--	1.0	5	3	1.812	(46.02)	0.750	(19.05)	1201	1311	1421	0120
CHR19A3NE105--	1.0	10	3	1.812	(46.02)	0.750	(19.05)	1202	1312	1422	–
CHR19A1NE155--	1.5	5	1	1.625	(41.28)	1.000	(25.40)	1203	1313	1423	–
CHR19A1NE155--	1.5	10	1	1.625	(41.28)	1.000	(25.40)	1204	1314	1424	–
CHR19A3NE155--	1.5	5	3	1.562	(39.67)	1.000	(25.40)	1205	1315	1425	–
CHR19A3NE155--	1.5	10	3	1.562	(39.67)	1.000	(25.40)	1206	1316	1426	–
CHR19A1NE225--	2.2	5	1	2.125	(53.98)	1.000	(25.40)	1207	1317	1427	–
CHR19A1NE225--	2.2	10	1	2.125	(53.98)	1.000	(25.40)	1208	1318	1428	–
CHR19A3NE225--	2.2	5	3	2.062	(52.37)	1.000	(25.40)	1209	1319	1429	–
CHR19A3NE225--	2.2	10	3	2.062	(52.37)	1.000	(25.40)	1210	1320	1430	–
CHR19A1NE335--	3.3	5	1	2.625	(66.68)	1.000	(25.40)	1211	1321	1431	–
CHR19A1NE335--	3.3	10	1	2.625	(66.68)	1.000	(25.40)	1212	1322	1432	–
CHR19A3NE335--	3.3	5	3	2.562	(65.07)	1.000	(25.40)	1213	1323	1433	–
CHR19A3NE335--	3.3	10	3	2.562	(65.07)	1.000	(25.40)	1214	1324	1434	–

* Complete type designation will include additional symbols for capacitance tolerance and failure rate level.

** FRL L for revision C only.

Technical Informations

TERMINAL

The terminal is identified by a single letter in accordance with table below.

Symbol	Type of terminal
A	Axial wire lead
B	Solder lug (nonremovable)
C	Threaded stud and nuts
D and H	Pillar insulator for use at altitudes up to 7,500 feet (22.8 inches of mercury)
E	Pillar insulator for use at altitudes up to 50,000 feet (3.4 inches of mercury)
R	Radial wire-lead
L	Lugs

CHARACTERISTIC

The characteristic is identified by a single letter in accordance with table below.

Characteristic	Values of characteristics								
	E	F	G	K [2]	M	P	Q [4]	T	V
High ambient test temperature ±3°C [1]	+85°C	+85°C	+85°C	+125°C	+85°C	+65°C	+125°C	+170°C	+125°C
Low ambient test temperature +0°C, −5°C	−65°C	−55°C	−55°C	−65°C	−65°C	−65°C	−55°C	−65°C	−55°C

Life-test dc voltage, percent of the dc voltage rating: Watt-second group:									
I (0.5 watt-second and less)	140	140	140	140	140	140	150	140	150
II (0.5+ to 5 watt-seconds)	140	130	130	140 [3]	–	–	–	–	–
III (5+ to 50 watt-seconds)	140	110	110	140	–	–	–	–	–
IV (greater than 50 watt-seconds)	140	90	90	140	–	–	–	–	–
Flashpoint of impregnant of filling compound (°C)	+142°C	+135°C	+135°C	+142°C	+142°C	+142°C	+142°C	+217°C	+142°C

[1] For characteristic K, voltage derating may be necessary at the high ambient test temperature.
[2] For tubular units of characteristic K rated at 1,000 volts dc, life test voltage is 1,200 volts.
[3] For tubular units of characteristic K in watt-seconds group II, use 130 percent of the dc voltage at +40°C for the life-test dc voltage.
[4] Characteristic Q capacitors are no longer available

Characteristic	Construction		Operating temperature range
	Dielectric material	Electrode	
K	Polypropylene	Foil	−55°C to +105°C
L	Polypropylene	Metallized polypropylene	−55°C to +105°C
M	Polyethylene terephthalate	Foil	−55°C to +85°C
N	Polyethylene terephthalate	Metallized polyethylene terephthalate	−55°C to +85°C
Q	Polycarbonate	Foil	−55°C to +125°C [1]
R	Polycarbonate	Metallized polycarbonate	−55°C to +125°C [1]
U	Polyphenylene sulfide	Metallized polyphenylene sulfide	−55°C to +125°C [1]
V	Polyphenylene sulfide	Foil	−55°C to +125°C [1]

[1] For operation at +125°C, characteristics Q, R, U and V capacitors are voltage derated (see table below)

Symbol	DC voltage rating at +85°C [1]	Characteristics Q and V DC voltage rating at +125°C	Characteristics R and U DC voltage rating at +125°C
A	50 V	33.3 V	25 V
B	100 V	66.7 V	50 V
C	200 V	133.3 V	100 V
D	300 V	200.0 V	150 V
E	400 V	266.7 V	200 V
F	600 V	400.0 V	300 V
G	75 V	50.0 V	37.5 V
H	150 V	100.0 V	75 V
J	25 V	16.7 V	12.5 V
K	250 V	166.7 V	125 V
L	800 V	533.3 V	400 V

[1] DC voltage rating for characteristics K and L at +105°C are the same as those at +85°C.

VOLTAGE

The dc voltage rating for continuous operation at the high ambient test temperature specified in table III (except for characteristic K which is for +85°C operation), is identified by a single letter in accordance with table below.

Symbol	DC voltage rating (Volts)	Symbol	DC voltage rating (Volts)
Z	30 V	K	2,500 V
A	50 V	L	3,000 V
B	100 V	M	4,000 V
C	200 V	N	5,000 V
D	300 V	P	6,000 V
E	400 V	R	7,500 V
F	600 V	S	10,000 V
G	1,000 V	T	12,500 V
H	1,500 V	U	15,000 V
J	2,000 V		

CAPACITANCE TOLERANCE

The capacitance tolerance in percent is identified by a single letter in accordance with table below.

Symbol	Capacitance tolerance
C	±0.25%
D	±0.5%
F	±1%
G	±2%
J	±5%
K	±10%
M	±20%

CIRCUIT AND VOLTAGE CODES

Code	Circuit	Voltage (V)
A	1	50
B	3	50
C	1	100
D	3	100
E	1	200
F	3	200
G	1	400
H	3	400
J	1	600
K	3	600
L	1	300
M	3	300

Government Documents

Specifications. standards. and handbooks.
The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract (see 6.2).

FEDERAL STANDARDS

FED-STD-H28 - Screw-Thread Standards for Federal Services

DEPARTMENT OF DEFENSE SPECIFICATIONS

MIL-C-18312 - Capacitors, Fixed, Metallized (Paper, Paper-Plastic, or Plastic Film) Dielectric, Direct Current (Hermetically Sealed in Metal Cases), General Specification for

MIL-PRF-83421/1 - Capacitors, Fixed, Metallized, Plastic Film Dielectric, DC and AC, Hermetically Sealed In Metal Cases, Established Reliability,

MIL-PRF-83421/2 - Capacitor, Fixed, Metallized Plastic Film, Dielectric, (DC, AC, or DC and AC), Hermetically Sealed in Metal Cases, Established Reliability,

MIL-PRF-83421/6 - Capacitor, Fixed, Metallized Plastic Film Dielectric, DC and AC, Hermetically Sealed in Metal Cases, Established Reliability,

MIL-PRF-11693/7 - Capacitors, Feed Through, Radio-Interference Reduction, DC (Hermetically Sealed in Metal Cases), Established and Non-Established Reliability,

MIL-PRF-83421/6 - Capacitors, Fixed, Metallized Plastic Film Dielectric, DC and AC, Hermetically Sealed In Metal Cases, Established Reliability.

DEPARTMENT OF DEFENSE STANDARDS

MIL-STD-202 - Test Methods Standard Electronic and Electrical Component Parts
MIL-STD-202-101 - Method 101, Salt Atmosphere (Corrosion)
MIL-STD-202-104 - Method 104, Immersion
MIL-STD-202-105 - Method 105, Barometric Pressure (Reduced)
MIL-STD-202-106 - Method 106, Moisture Resistance
MIL-STD-202-107 - Method 107, Thermal Shock
MIL-STD-202-108 - Method 108, Life (at Elevated Ambient Temperature)
MIL-STD-202-112 - Method 112, Seal
MIL-STD-202-201 - Method 201, Vibration
MIL-STD-202-204 - Method 204, Vibration, High Frequency
MIL-STD-202-208 - Method 208, Solderability
MIL-STD-202-209 - Method 209, Radiographic Inspection
MIL-STD-202-210 - Method 210, Resistance to Soldering Heat
MIL-STD-202-211 - Method 211, Terminal Strength
MIL-STD-202-213 - Method 213, Shock (Specified Pulse)
MIL-STD-202-214 - Method 214, Random Vibration
MIL-STD-202-215 - Method 215, Resistance to Solvents
MIL-STD-202-301 - Method 301, Dielectric Withstanding Voltage
MIL-STD-202-302 - Method 302, Insulation Resistance
MIL-STD-202-305 - Method 305, Capacitance
MIL-STD-220 - Method of Insertion Loss Measurement
MIL-STD-690 - Failure Rate Sampling Plans and Procedures
MIL-STD-790 - Standard Practice for Established Reliability and High Reliability Qualified Products List (QPL) Systems for Electrical, Electronic, and Fiber Optic Parts Specifications
MIL-STD-810 - Environmental Engineering Considerations and Laboratory Tests
MIL-STD-1276 - Leads for Electronic Component Parts
MIL-STD-1285 - Marking of Electrical and Electronic Parts

Government Documents

Non-Government publications.
The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents are those listed in the solicitation or contract.

ASTM INTERNATIONAL (ASTM)

ASTM D92 - Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester

SAE INTERNATIONAL (SAE)

SAE EIA-554-1 - Assessment of Average Outgoing Quality Levels in Parts Per Million (PPM)

ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES (IPC)

IPC/JEDEC J-STD-002 - Solderability Tests for Component Leads, Terminations, Lugs, Terminals and Wires

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)

ISO/IEC 17025 - General Requirements for the Competence of Testing and Calibration laboratories

ISO 10012 - Measurement Management Systems - Requirements for Measurement Processes and Measuring Equipment

NATIONAL CONFERENCE OF STANDARDS LABORATORIES (NCSL)

NCSL Z540.3 - Requirements for the Calibration of Measuring and Test Equipment

SAE INTERNATIONAL (SAE)

SAE EIA-554-1 - Assessment of Average Outgoing Quality Levels in Parts per Million (PPM)

SOLID STATE TECHNOLOGY ASSOCIATION (JEDEC)

JEDEC JESD557 - Statistical Process Control Systems

Order of precedence.
Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein (except for related specification sheets), the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.