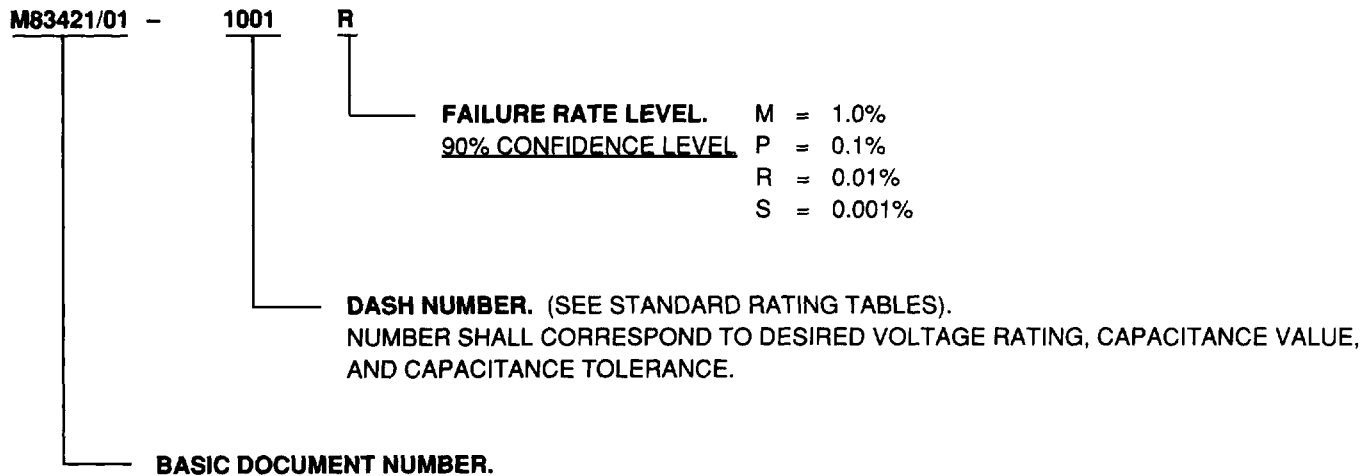


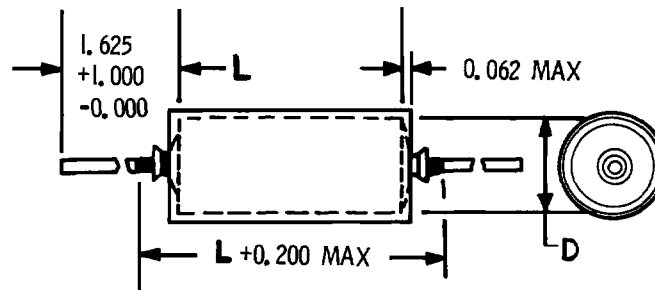
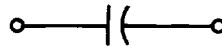
**HERMETICALLY-SEALED AXIAL-LEAD  
METALIZED-POLYCARBONATE CAPACITORS  
TO MILITARY SPECIFICATION MIL-C- 83421/01**

**MIL STYLE CRH01, CRH02, CRH03, CRH04, CRH05**

**PART NUMBERING SYSTEM**



THIS INFORMATION HAS BEEN ABSTRACTED FROM MIL-C-83421/01.

**OUTLINE DRAWINGS**
**Circuit 1**


Dwg. No. A-14,910

**Notes:**

1. Insulating sleeve shall extend beyond the capacitor body.
2. Insulating sleeve thickness shall not exceed 0.005 inch (0.13 mm).
3. L and D dimensions do not include the insulating sleeve.

**LEAD SIZE TABLE (Inches)**

Case Diameter	Wire Size	
	No. AWG	Nom. Dia.
to 0.312	22	0.025
0.400 and 500	20	0.032
0.562 and up	18	0.040

**MILLIMETER CONVERSION TABLE**

Inches	MM	Inches	MM	Inches	MM
0.005	0.127	0.312	7.924	0.750	19.05
0.015	0.381	0.375	8.255	0.825	23.49
0.031	0.787	0.400	10.16	1.125	28.57
0.032	0.813	0.437	11.09	1.375	33.65
0.062	1.574	0.438	11.12	1.625	41.27
0.125	3.175	0.500	12.70	1.750	44.45
0.144	3.657	0.562	14.27	1.875	47.62
0.156	3.962	0.605	15.36	2.125	53.97
0.172	4.369	0.624	15.84	2.375	60.32
0.188	4.775	0.670	17.01		

## STANDARD RATINGS

μF	Dimensions (Inches)		Part * Number	Dash Number Capacitance Tolerance (%)						A-C Ratings Sinusoidal Operation - 65°C to +100°C					
	D +0.020	L ±0.03		±0.25		±0.5		±1.0		0 to 4 kHz		4 kHz		40 kHz	
	-0.010			±0.25	±0.5	±1.0	±2.0	±5.0	±10.0	Volts (V)	Current (A)	Volts (V)	Current (A)	Volts (V)	Current (A)
<b>30 VOLTS D-C</b>															
0.001	0.170	0.500	M83421/01-__	1001	1002	1003	1004	1005	1006	22.0	0.001	22.0	0.001	22.0	0.006
0.0012	0.170	0.500	M83421/01-__	1007	1008	1009	1010	1011	1012	22.0	0.001	22.0	0.001	22.0	0.007
0.0015	0.170	0.500	M83421/01-__	1013	1014	1015	1016	1017	1018	22.0	0.001	22.0	0.001	22.0	0.008
0.0018	0.170	0.500	M83421/01-__	1019	1020	1021	1022	1023	1024	22.0	0.001	22.0	0.001	22.0	0.010
0.002	0.170	0.500	M83421/01-__	1025	1026	1027	1028	1029	1030	22.0	0.001	22.0	0.001	22.0	0.011
0.0022	0.170	0.500	M83421/01-__	1031	1032	1033	1034	1035	1036	22.0	0.001	22.0	0.001	22.0	0.012
0.0027	0.170	0.500	M83421/01-__	1037	1038	1039	1040	1041	1042	22.0	0.001	22.0	0.002	22.0	0.015
0.0033	0.170	0.500	M83421/01-__	1043	1044	1045	1046	1047	1048	22.0	0.001	22.0	0.002	22.0	0.018
0.0039	0.170	0.500	M83421/01-__	1049	1050	1051	1052	1053	1054	22.0	0.001	22.0	0.002	22.0	0.021
0.0047	0.170	0.500	M83421/01-__	1055	1056	1057	1058	1059	1060	22.0	0.001	22.0	0.003	22.0	0.026
0.005	0.170	0.500	M83421/01-__	1061	1062	1063	1064	1065	1066	22.0	0.001	22.0	0.003	22.0	0.028
0.0056	0.170	0.500	M83421/01-__	1067	1068	1069	1070	1071	1072	22.0	0.001	22.0	0.003	22.0	0.031
0.0068	0.170	0.500	M83421/01-__	1073	1074	1075	1076	1077	1078	22.0	0.001	22.0	0.004	22.0	0.037
0.0082	0.170	0.500	M83421/01-__	1079	1080	1081	1082	1083	1084	22.0	0.001	22.0	0.005	22.0	0.045
0.01	0.170	0.500	M83421/01-__	1085	1086	1087	1088	1089	1090	22.0	0.001	22.0	0.006	22.0	0.055
0.012	0.170	0.500	M83421/01-__	1091	1092	1093	1094	1095	1096	22.0	0.001	22.0	0.007	22.0	0.066
0.015	0.170	0.500	M83421/01-__	1097	1098	1099	1100	1101	1102	22.0	0.001	22.0	0.008	22.0	0.082
0.018	0.170	0.500	M83421/01-__	1103	1204	1105	1106	1107	1108	22.0	0.001	22.0	0.010	22.0	0.10
0.02	0.170	0.500	M83421/01-__	1109	1110	1111	1112	1113	1114	22.0	0.001	22.0	0.011	22.0	0.11
0.022	0.170	0.500	M83421/01-__	1115	1116	1117	1118	1119	1120	22.0	0.001	22.0	0.012	22.0	0.12
0.027	0.170	0.562	M83421/01-__	1121	1122	1123	1124	1125	1126	22.0	0.001	22.0	0.015	22.0	0.15
0.033	0.170	0.562	M83421/01-__	1127	1128	1129	1130	1131	1132	22.0	0.002	22.0	0.018	22.0	0.18
0.039	0.170	0.562	M83421/01-__	1133	1134	1135	1136	1137	1138	22.0	0.002	22.0	0.021	22.0	0.22
0.047	0.170	0.562	M83421/01-__	1139	1140	1141	1142	1143	1144	22.0	0.003	22.0	0.026	22.0	0.26
0.05	0.170	0.562	M83421/01-__	1145	1146	1147	1148	1149	1150	22.0	0.003	22.0	0.028	22.0	0.28
0.056	0.170	0.562	M83421/01-__	1151	1152	1153	1154	1155	1156	22.0	0.003	22.0	0.031	22.0	0.31
0.068	0.170	0.687	M83421/01-__	1157	1158	1159	1160	1161	1162	22.0	0.004	22.0	0.037	22.0	0.37
0.082	0.170	0.687	M83421/01-__	1163	1164	1165	1166	1167	1168	22.0	0.005	22.0	0.045	22.0	0.45
0.1	0.193	0.687	M83421/01-__	1169	1170	1171	1172	1173	1174	22.0	0.006	22.0	0.055	22.0	0.55
0.12	0.193	0.687	M83421/01-__	1175	1176	1177	1178	1179	1180	22.0	0.007	22.0	0.066	22.0	0.66
0.15	0.235	0.562	M83421/01-__	1181	1182	1183	1184	1185	1186	22.0	0.008	22.0	0.082	22.0	0.83
0.18	0.235	0.687	M83421/01-__	1373	1374	1375	1376	1377	1378	22.0	0.010	22.0	0.100	22.0	1.00
0.20	0.235	0.687	M83421/01-__	1187	1188	1189	1190	1191	1192	22.0	0.011	22.0	0.110	20.0	1.00
0.22	0.235	0.687	M83421/01-__	1193	1194	1195	1196	1197	1198	22.0	0.012	22.0	0.12	18.5	1.02
0.27	0.235	0.687	M83421/01-__	1199	1200	1201	1202	1203	1204	22.0	0.015	22.0	0.15	17.0	1.15
0.33	0.235	0.687	M83421/01-__	1205	1206	1207	1208	1209	1210	22.0	0.018	22.0	0.18	16.0	1.32
0.39	0.235	0.687	M83421/01-__	1211	1212	1213	1214	1215	1216	22.0	0.021	22.0	0.21	15.0	1.46
0.47	0.312	0.687	M83421/01-__	1217	1218	1219	1220	1221	1222	22.0	0.026	22.0	0.26	14.0	1.65

\* Complete part number must include code for the desired failure rate level. Failure rate levels available: M, P, R, S.

## STANDARD RATINGS

μF	Dimensions (Inches)		Part * Number	Dash Number						A-C Ratings Sinusoidal Operation - 65°C to +100°C					
	D +0.020			Capacitance Tolerance (%)						0 to 4 kHz		4 kHz		40 kHz	
	-0.010	L ±0.03		±0.25	±0.5	±1.0	±2.0	±5.0	±10.0	Volts (V)	Current (A)	Volts (V)	Current (A)	Volts (V)	Current (A)
<b>30 VOLTS D-C (Cont.)</b>															
0.50	0.312	0.687	M83421/01-__	1223	1224	1225	1226	1227	1228	22.0	0.028	22.0	0.28	13.5	1.69
0.56	0.312	0.687	M83421/01-__	1229	1230	1231	1232	1233	1234	22.0	0.031	22.0	0.31	12.9	1.81
0.68	0.312	0.687	M83421/01-__	1235	1236	1237	1238	1239	1240	22.0	0.037	22.0	0.37	12.0	2.04
0.82	0.312	0.813	M83421/01-__	1241	1242	1243	1244	1245	1246	22.0	0.045	22.0	0.45	10.0	2.05
1.0	0.312	0.813	M83421/01-__	1247	1248	1249	1250	1251	1252	22.0	0.055	22.0	0.55	8.4	2.10
1.2	0.312	0.813	M83421/01-__	1253	1254	1255	1256	1257	1258	22.0	0.066	22.0	0.66	7.2	2.15
1.5	0.400	0.813	M83421/01-__	1259	1260	1261	1262	1263	1264	22.0	0.082	22.0	0.83	5.8	2.17
1.8	0.400	0.813	M83421/01-__	1265	1266	1267	1268	1269	1270	22.0	0.099	22.0	0.99	4.8	2.20
2.0	0.400	0.813	M83421/01-__	1271	1272	1273	1274	1275	1276	22.0	0.110	22.0	1.10	4.4	2.20
2.2	0.400	0.813	M83421/01-__	1277	1278	1279	1280	1281	1282	22.0	0.12	22.0	1.21	4.0	2.20
2.7	0.400	1.063	M83421/01-__	1385	1386	1387	1388	1389	1390	22.0	0.15	22.0	1.49	3.3	2.20
3.0	0.400	1.063	M83421/01-__	1289	1290	1291	1292	1293	1294	22.0	0.17	22.0	1.65	2.9	2.20
3.3	0.400	1.063	M83421/01-__	1295	1296	1297	1298	1299	1300	22.0	0.18	22.0	1.82	2.7	2.20
3.9	0.400	1.375	M83421/01-__	1301	1302	1303	1304	1305	1306	22.0	0.21	22.0	2.14	2.3	2.20
4.7	0.500	1.375	M83421/01-__	1313	1314	1315	1316	1317	1318	22.0	0.26	18.7	2.20	1.9	2.20
5.0	0.500	1.375	M83421/01-__	1319	1320	1321	1322	1323	1324	22.0	0.28	17.6	2.20	1.8	2.20
5.6	0.500	1.375	M83421/01-__	1325	1326	1327	1328	1329	1339	22.0	0.31	15.7	2.20	1.6	2.20
6.8	0.562	1.375	M83421/01-__	1331	1332	1333	1334	1335	1336	22.0	0.37	13.0	2.20	1.3	2.20
8.0	0.562	1.375	M83421/01-__	1337	1338	1339	1340	1341	1342	22.0	0.44	11.0	2.20	1.1	2.20
8.2	0.562	1.375	M83421/01-__	1343	1344	1345	1346	1347	1348	22.0	0.45	10.7	2.20	1.1	2.20
10.0	0.562	1.375	M83421/01-__	1349	1350	1351	1352	1353	1354	22.0	0.55	8.8	2.20	0.88	2.20
12.0	0.562	1.875	M83421/01-__	1379	1380	1381	1382	1383	1384	22.0	0.66	7.3	2.20	0.73	2.20
15.0	0.562	1.875	M83421/01-__	1355	1356	1357	1358	1359	1360	22.0	0.83	5.9	2.20	0.59	2.20
20.0	0.670	1.875	M83421/01-__	1361	1362	1363	1364	1365	1366	22.0	1.10	4.4	2.20	0.44	2.20
22.0	0.670	1.875	M83421/01-__	1367	1368	1369	1370	1371	1372	22.0	1.21	4.0	2.20	0.40	2.20
<b>50 VOLTS D-C</b>															
0.001	0.170	0.500	M83421/01-__	2001	2002	2003	2004	2005	2006	36.0	0.001	36.0	0.001	36.0	0.009
0.0012	0.170	0.500	M83421/01-__	2007	2008	2009	2010	2011	2012	36.0	0.001	36.0	0.001	36.0	0.011
0.0015	0.170	0.500	M83421/01-__	2013	2014	2015	2016	2017	2018	36.0	0.001	36.0	0.001	36.0	0.013
0.0018	0.170	0.500	M83421/01-__	2019	2020	2021	2022	2023	2024	36.0	0.001	36.0	0.002	36.0	0.016
0.002	0.170	0.500	M83421/01-__	2025	2026	2027	2028	2029	2030	36.0	0.001	36.0	0.002	36.0	0.018
0.0022	0.170	0.500	M83421/01-__	2031	2032	2033	2034	2035	2036	36.0	0.001	36.0	0.002	36.0	0.020
0.0027	0.170	0.500	M83421/01-__	2037	2038	2039	2040	2041	2042	36.0	0.001	36.0	0.002	36.0	0.024
0.0033	0.170	0.500	M83421/01-__	2043	2044	2045	2046	2047	2048	6.0	0.001	36.0	0.003	36.0	0.030
0.0039	0.170	0.500	M83421/01-__	2049	2050	2051	2052	2053	2054	36.0	0.001	36.0	0.004	36.0	0.035
0.0047	0.170	0.500	M83421/01-__	2055	2056	2057	2058	2059	2060	36.0	0.001	36.0	0.004	36.0	0.042
0.005	0.170	0.500	M83421/01-__	2061	2062	2063	2064	2065	2066	36.0	0.001	36.0	0.005	36.0	0.045
0.0056	0.170	0.500	M83421/01-__	2067	2068	2069	2070	2071	2072	36.0	0.001	36.0	0.005	36.0	0.050
0.0068	0.170	0.500	M83421/01-__	2073	2074	2075	2076	2077	2078	36.0	0.001	36.0	0.006	36.0	0.061

\* Complete part number must include code for the desired failure rate level. Failure rate levels available: M, P, R, S.

## STANDARD RATINGS

Dimensions (Inches)			Part * Number	Dash Number Capacitance Tolerance (%)						A-C Ratings Sinusoidal Operation - 65°C to +100°C					
D +0.020 μF	-0.010	L ±0.03		±0.25	±0.5	±1.0	±2.0	±5.0	±10.0	0 to 4 kHz		4 kHz		40 kHz	
									Volts (V)	Current (A)	Volts (V)	Current (A)	Volts (V)	Current (A)	
<b>50 VOLTS D-C (Cont.)</b>															
0.0082	0.170	0.562	M83421/01-__	2079	2080	2081	2082	2083	2084	36.0	0.001	36.0	0.007	36.0	0.074
0.01	0.170	0.562	M83421/01-__	2085	2086	2087	2088	2089	2090	36.0	0.001	36.0	0.009	36.0	0.090
0.012	0.170	0.562	M83421/01-__	2091	2092	2093	2094	2095	2096	36.0	0.001	36.0	0.011	36.0	0.11
0.015	0.170	0.562	M83421/01-__	2097	2098	2099	2100	2101	2102	36.0	0.001	36.0	0.013	36.0	0.14
0.018	0.193	0.562	M83421/01-__	2103	2204	2105	2106	2107	2108	36.0	0.002	36.0	0.016	36.0	0.16
0.02	0.193	0.562	M83421/01-__	2109	2110	2111	2112	2113	2114	36.0	0.002	36.0	0.018	36.0	0.18
0.022	0.193	0.562	M83421/01-__	2115	2116	2117	2118	2119	2120	36.0	0.002	36.0	0.020	36.0	0.20
0.027	0.193	0.562	M83421/01-__	2121	2122	2123	2124	2125	2126	36.0	0.002	36.0	0.024	36.0	0.24
0.033	0.193	0.562	M83421/01-__	2127	2128	2129	2130	2131	2132	36.0	0.003	36.0	0.030	36.0	0.30
0.039	0.170	0.687	M83421/01-__	2133	2134	2135	2136	2137	2138	36.0	0.004	36.0	0.035	36.0	0.35
0.047	0.170	0.687	M83421/01-__	2139	2140	2141	2142	2143	2144	36.0	0.004	36.0	0.042	36.0	0.42
0.05	0.170	0.687	M83421/01-__	2145	2146	2147	2148	2149	2150	36.0	0.005	36.0	0.045	36.0	0.45
0.056	0.193	0.687	M83421/01-__	2151	2152	2153	2154	2155	2156	36.0	0.005	36.0	0.050	36.0	0.50
0.068	0.193	0.687	M83421/01-__	2157	2158	2159	2160	2161	2162	36.0	0.006	36.0	0.061	34.0	0.58
0.082	0.193	0.813	M83421/01-__	2163	2164	2165	2166	2167	2168	36.0	0.007	36.0	0.074	32.0	0.66
0.1	0.193	0.813	M83421/01-__	2169	2170	2171	2172	2173	2174	36.0	0.009	36.0	0.090	30.0	0.75
0.12	0.235	0.687	M83421/01-__	2175	2176	2177	2178	2179	2180	36.0	0.011	36.0	0.11	30.0	0.90
0.15	0.235	0.687	M83421/01-__	2181	2182	2183	2184	2185	2186	36.0	0.013	36.0	0.13	26.0	0.98
0.18	0.235	0.813	M83421/01-__	2187	2184	2189	2190	2191	2192	36.0	0.016	36.0	0.16	25.0	1.13
0.20	0.235	0.813	M83421/01-__	2193	2194	2195	2196	2197	2198	36.0	0.018	36.0	0.18	24.0	1.20
0.22	0.235	0.813	M83421/01-__	2199	2200	2201	2202	2203	2204	36.0	0.020	36.0	0.20	23.0	1.27
0.27	0.312	0.687	M83421/01-__	2205	2206	2207	2208	2209	2210	36.0	0.024	36.0	0.24	19.0	1.28
0.33	0.312	0.687	M83421/01-__	2211	2212	2213	2214	2215	2216	36.0	0.030	36.0	0.30	18.0	1.48
0.39	0.312	0.813	M83421/01-__	2217	2218	2219	2220	2221	2222	36.0	0.035	36.0	0.35	17.0	1.66
0.47	0.312	0.813	M83421/01-__	2223	2224	2225	2226	2227	2228	36.0	0.042	36.0	0.42	15.7	1.85
0.50	0.312	0.813	M83421/01-__	2229	2230	2231	2232	2233	2234	36.0	0.045	36.0	0.45	15.2	1.90
0.56	0.400	0.813	M83421/01-__	2235	2236	2237	2238	2239	2240	36.0	0.050	36.0	0.50	14.4	2.01
0.68	0.400	0.813	M83421/01-__	2241	2242	2243	2244	2245	2246	36.0	0.061	36.0	0.61	14.0	2.38
0.82	0.400	1.063	M83421/01-__	2247	2248	2249	2250	2251	2252	36.0	0.074	36.0	0.74	12.0	2.46
1.0	0.400	1.063	M83421/01-__	2253	2254	2255	2256	2257	2258	26.0	0.090	36.0	0.90	10.0	2.50
1.2	0.400	1.063	M83421/01-__	2259	2260	2261	2262	2263	2264	26.0	0.11	36.0	1.08	9.1	2.73
1.5	0.400	1.063	M83421/01-__	2265	2266	2267	2268	2269	2270	36.0	0.14	36.0	1.35	7.7	2.90
1.8	0.400	1.063	M83421/01-__	2271	2272	2273	2274	2275	2276	36.0	0.16	36.0	1.62	6.6	3.00
2.0	0.500	1.125	M83421/01-__	2277	2278	2279	2280	2281	2282	36.0	0.18	36.0	1.80	6.2	3.10
2.2	0.500	1.125	M83421/01-__	2283	2284	2285	2286	2287	2288	36.0	0.20	36.0	1.98	5.8	3.20
2.7	0.500	1.375	M83421/01-__	2289	2290	2291	2292	2293	2294	36.0	0.24	36.0	2.43	5.0	3.34
3.0	0.500	1.375	M83421/01-__	2295	2296	2297	2298	2299	2300	36.0	0.27	36.0	2.70	4.5	3.40
3.3	0.500	1.375	M83421/01-__	301	2302	2303	2304	2305	2306	36.0	0.30	36.0	2.97	4.2	3.50

\* Complete part number must include code for the desired failure rate level. Failure rate levels available: M, P, R, S.

## STANDARD RATINGS

Dimensions (Inches)			Part * Number	Dash Number Capacitance Tolerance (%)						A-C Ratings					
										Sinusoidal Operation - 65°C to +100°C					
μF	D +0.020									0 to 4 kHz		4 kHz		40 kHz	
	-0.010	L ±0.03								Volts	Current	Volts	Current	Volts	Current
				±0.25	±0.5	±1.0	±2.0	±5.0	±10.0	(V)	(A)	(V)	(A)	(V)	(A)
<b>50 VOLTS D-C (Cont.)</b>															
3.9	0.562	1.375	M83421/01-	2307	2308	2309	2310	2311	2312	36.0	0.35	36.7	3.51	3.7	3.60
4.7	0.670	1.375	M83421/01-	2319	2320	2321	2322	2323	2324	36.0	0.42	31.0	3.60	3.1	3.60
5.0	0.670	1.375	M83421/01-	2325	2326	2327	2328	2329	2339	36.0	0.45	29.0	3.60	2.9	3.60
5.6	0.670	1.375	M83421/01-	2331	2332	2333	2334	2335	2336	36.0	0.50	26.0	3.60	2.6	3.60
6.8	0.670	1.875	M83421/01-	2337	2338	2339	2340	2341	2342	36.0	0.61	21.2	3.60	2.1	3.60
8.0	0.670	1.875	M83421/01-	2343	2344	2345	2346	2347	2348	36.0	0.72	18.0	3.60	1.8	3.60
8.2	0.670	1.875	M83421/01-	2349	2350	2351	2352	2353	2354	36.0	0.74	17.6	3.60	1.8	3.60
10.0	0.670	1.875	M83421/01-	2355	2356	2357	2358	2359	2360	36.0	0.90	14.4	3.60	1.4	3.60
<b>100 VOLTS D-C</b>															
0.001	0.170	0.500	M83421/01-	3001	3002	3003	3004	3005	3006	60.0	0.001	60.0	0.002	60.0	0.015
0.0012	0.170	0.500	M83421/01-	3007	3008	3009	3010	3011	3012	60.0	0.001	60.0	0.002	60.0	0.018
0.0015	0.170	0.500	M83421/01-	3013	3014	3015	3016	3017	3018	60.0	0.001	60.0	0.002	60.0	0.022
0.0018	0.170	0.500	M83421/01-	3019	3020	3021	3022	3023	3024	60.0	0.001	60.0	0.003	60.0	0.027
0.002	0.170	0.500	M83421/01-	3025	3026	3027	3028	3029	3030	60.0	0.001	60.0	0.003	60.0	0.030
0.0022	0.170	0.500	M83421/01-	3031	3032	3033	3034	3035	3036	60.0	0.001	60.0	0.003	60.0	0.033
0.0027	0.170	0.500	M83421/01-	3037	3038	3039	3040	3041	3042	60.0	0.001	60.0	0.004	60.0	0.041
0.0033	0.170	0.500	M83421/01-	3043	3044	3045	3046	3047	3048	60.0	0.001	60.0	0.005	60.0	0.050
0.0039	0.170	0.500	M83421/01-	3049	3050	3051	3052	3053	3054	60.0	0.001	60.0	0.006	60.0	0.058
0.0047	0.170	0.500	M83421/01-	3055	3056	3057	3058	3059	3060	60.0	0.001	60.0	0.007	60.0	0.071
0.005	0.170	0.500	M83421/01-	3061	3062	3063	3064	3065	3066	60.0	0.001	60.0	0.008	60.0	0.075
0.0056	0.170	0.500	M83421/01-	3067	3068	3069	3070	3071	3072	60.0	0.001	60.0	0.008	60.0	0.084
0.0068	0.170	0.562	M83421/01-	3073	3074	3075	3076	3077	3078	60.0	0.001	60.0	0.010	60.0	0.10
0.0082	0.170	0.562	M83421/01-	3079	3080	3081	3082	3083	3084	60.0	0.001	60.0	0.012	60.0	0.12
0.01	0.170	0.687	M83421/01-	3085	3086	3087	3088	3089	3090	60.0	0.002	60.0	0.015	60.0	0.15
0.012	0.170	0.687	M83421/01-	3091	3092	3093	3094	3095	3096	60.0	0.002	60.0	0.018	59.0	0.18
0.015	0.170	0.687	M83421/01-	3097	3098	3099	3100	3101	3102	60.0	0.002	60.0	0.022	58.0	0.22
0.018	0.193	0.687	M83421/01-	3103	3204	3105	3106	3107	3108	60.0	0.003	60.0	0.027	57.0	0.26
0.02	0.193	0.687	M83421/01-	3109	3110	3111	3112	3113	3114	60.0	0.003	60.0	0.030	55.0	0.28
0.022	0.193	0.687	M83421/01-	3115	3116	3117	3118	3119	3120	60.0	0.003	60.0	0.033	53.0	0.29
0.027	0.193	0.687	M83421/01-	3121	3122	3123	3124	3125	3126	60.0	0.004	60.0	0.041	51.0	0.34
0.033	0.193	0.687	M83421/01-	3127	3128	3129	3130	3131	3132	60.0	0.005	60.0	0.050	50.0	0.41
0.039	0.235	0.687	M83421/01-	3133	3134	3135	3136	3137	3138	60.0	0.006	60.0	0.059	48.0	0.47
0.047	0.235	0.687	M83421/01-	3139	3140	3141	3142	3143	3144	60.0	0.007	60.0	0.070	47.0	0.55
0.050	0.235	0.687	M83421/01-	3145	3146	3147	3148	3149	3150	60.0	0.008	60.0	0.075	46.0	0.58
0.056	0.235	0.687	M83421/01-	3151	3152	3153	3154	3155	3156	60.0	0.008	60.0	0.084	46.0	0.64
0.068	0.235	0.813	M83421/01-	3157	3158	3159	3160	3161	3162	60.0	0.010	60.0	0.10	42.0	0.71
0.082	0.312	0.687	M83421/01-	3163	3164	3165	3166	3167	3168	60.0	0.012	60.0	0.12	38.0	0.78

\* Complete part number must include code for the desired failure rate level. Failure rate levels available: M, P, R, S.

## STANDARD RATINGS

μF	Dimensions (Inches)		Part * Number	Dash Number Capacitance Tolerance (%)						A-C Ratings Sinusoidal Operation - 65°C to +100°C					
	D +0.020	L ±0.03		±0.25		±0.5		±1.0		0 to 4 kHz		4 kHz		40 kHz	
				±0.25	±0.5	±1.0	±2.0	±5.0	±10.0	Volts (V)	Current (A)	Volts (V)	Current (A)	Volts (V)	Current (A)
<b>100 VOLTS D-C (Cont.)</b>															
0.10	0.312	0.687	M83421/01-	3169	3170	3171	3172	3173	3174	60.0	0.015	60.0	0.15	36.0	0.90
0.12	0.312	0.687	M83421/01-	3175	3176	3177	3178	3179	3180	60.0	0.018	60.0	0.18	35.0	1.05
0.15	0.312	0.813	M83421/01-	3181	3182	3183	3184	3185	3186	60.0	0.022	60.0	0.23	33.0	1.24
0.18	0.312	0.813	M83421/01-	3187	3188	3189	3190	3191	3192	60.0	0.027	60.0	0.27	31.0	1.40
0.20	0.312	0.813	M83421/01-	3193	3194	3195	3196	3197	3198	60.0	0.030	60.0	0.30	30.0	1.50
0.22	0.312	0.813	M83421/01-	3199	3200	3201	3202	3203	3204	60.0	0.033	60.0	0.33	27.0	1.50
0.27	0.312	1.063	M83421/01-	3205	3206	3207	3208	3209	3210	60.0	0.041	60.0	0.41	24.0	1.62
0.33	0.312	1.063	M83421/01-	3211	3212	3213	3214	3215	3216	60.0	0.050	60.0	0.50	23.0	1.90
0.39	0.400	1.063	M83421/01-	3217	3218	3219	3220	3221	3222	60.0	0.058	60.0	0.59	22.0	2.15
0.47	0.400	1.063	M83421/01-	3223	3224	3225	3226	3227	3228	60.0	0.071	60.0	0.71	21.0	2.47
0.5	0.400	1.063	M83421/01-	3229	3230	3231	3232	3233	3234	60.0	0.075	60.0	0.75	20.0	2.50
0.56	0.400	1.063	M83421/01-	3235	3236	3237	3238	3239	3240	60.0	0.084	60.0	0.84	19.0	2.64
0.68	0.500	1.125	M83421/01-	3241	3242	3243	3244	3245	3246	60.0	0.10	60.0	1.02	16.0	2.72
0.82	0.500	1.125	M83421/01-	3247	3248	3249	3250	3251	3252	60.0	0.12	60.0	1.23	14.0	2.87
1.00	0.562	1.125	M83421/01-	3253	3254	3255	3256	3257	3258	60.0	0.15	60.0	1.50	12.0	3.00
1.20	0.562	1.125	M83421/01-	3259	3260	3261	3262	3263	3264	60.0	0.18	60.0	1.80	11.0	3.25
1.50	0.562	1.375	M83421/01-	3265	3266	3267	3268	3269	3270	60.0	0.23	60.0	2.26	10.0	3.75
2.0	0.670	1.375	M83421/01-	3271	3272	3273	3274	3275	3276	60.0	0.30	60.0	3.00	8.1	4.10
2.2	0.670	1.375	M83421/01-	3277	3278	3279	3280	3281	3282	60.0	0.33	60.0	3.31	7.5	4.12
2.7	0.670	1.875	M83421/01-	3283	3284	3285	3286	3287	3288	60.0	0.41	60.0	4.05	6.5	4.40
3.0	0.670	1.875	M83421/01-	3289	3290	3291	3292	3293	1294	60.0	0.45	60.0	4.51	6.0	4.51
3.3	0.670	1.875	M83421/01-	3295	3296	3297	3298	3299	1300	60.0	0.50	55.0	4.73	5.5	4.55
3.9	0.750	1.875	M83421/01-	3301	3302	3303	3304	3305	1306	60.0	0.59	49.0	4.90	5.0	4.90
4.7	0.750	1.875	M83421/01-	3313	3314	3315	3316	3317	1318	60.0	0.71	43.0	5.00	4.3	5.00
5.0	0.750	1.875	M83421/01-	3319	3320	3321	3322	3323	3324	60.0	0.75	40.0	5.00	4.0	5.00
5.6	0.750	1.875	M83421/01-	3325	3326	3327	3328	3329	3339	60.0	0.84	36.0	5.00	3.6	5.00
6.8	1.000	2.375	M83421/01-	3331	3332	3333	3334	3335	3336	60.0	1.02	29.0	5.00	3.0	5.00
8.0	1.000	2.375	M83421/01-	3337	3338	3339	3340	3341	3342	60.0	1.20	25.0	5.00	2.5	5.00
8.2	1.000	2.375	M83421/01-	3343	3344	3345	3346	3347	3348	60.0	1.23	24.4	5.00	2.4	5.00
10.0	1.000	2.375	M83421/01-	3349	3350	3351	3352	3353	3354	60.0	1.50	20.0	5.00	2.0	5.00
<b>200 VOLTS D-C</b>															
0.001	0.170	0.562	M83421/01-	4001	4002	4003	4004	4005	4006	120.0	0.001	120.0	0.003	80.0	0.020
0.0012	0.170	0.562	M83421/01-	4007	4008	4009	4010	4011	4012	120.0	0.001	120.0	0.004	80.0	0.024
0.0015	0.170	0.562	M83421/01-	4013	4014	4015	4016	4017	4018	120.0	0.001	120.0	0.004	80.0	0.030
0.0018	0.170	0.562	M83421/01-	4019	4020	4021	4022	4023	4024	120.0	0.001	120.0	0.005	80.0	0.036
0.002	0.170	0.562	M83421/01-	4025	4026	4027	4028	4029	4030	120.0	0.001	120.0	0.006	80.0	0.040
0.0022	0.170	0.562	M83421/01-	4031	4032	4033	4034	4035	4036	120.0	0.001	120.0	0.007	80.0	0.044
0.0027	0.170	0.562	M83421/01-	4037	4038	4039	4040	4041	4042	120.0	0.001	120.0	0.008	80.0	0.054
0.0033	0.170	0.562	M83421/01-	4043	4044	4045	4046	4047	4048	120.0	0.001	120.0	0.010	80.0	0.066

\* Complete part number must include code for the desired failure rate level. Failure rate levels available: M, P, R, S.

## STANDARD RATINGS

μF	Dimensions (Inches)		Part * Number	Dash Number						A-C Ratings Sinusoidal Operation - 65°C to +100°C					
	D +0.020	L ±0.03		Capacitance Tolerance (%)						0 to 4 kHz		4 kHz		40 kHz	
	-0.010			±0.25	±0.5	±1.0	±2.0	±5.0	±10.0	Volts (V)	Current (A)	Volts (V)	Current (A)	Volts (V)	Current (A)
<b>200 VOLTS D-C (Cont.)</b>															
0.0039	0.170	0.562	M83421/01-__	4049	4050	4051	4052	4053	4054	120.0	0.001	120.0	0.012	80.0	0.078
0.0047	0.170	0.562	M83421/01-__	4055	4056	4057	4058	4059	4060	120.0	0.001	120.0	0.014	80.0	0.094
0.005	0.170	0.562	M83421/01-__	4061	4062	4063	4064	4065	4066	120.0	0.002	120.0	0.015	80.0	0.10
0.0056	0.170	0.562	M83421/01-__	4067	4068	4069	4070	4071	4072	120.0	0.002	120.0	0.017	80.0	0.11
0.0068	0.170	0.562	M83421/01-__	4073	4074	4075	4076	4077	4078	120.0	0.002	120.0	0.020	80.0	0.14
0.0082	0.193	0.562	M83421/01-__	4079	4080	4081	4082	4083	4084	120.0	0.002	120.0	0.025	80.0	0.16
0.01	0.193	0.562	M83421/01-__	4085	4086	4087	4088	4089	4090	120.0	0.003	120.0	0.030	80.0	0.20
0.012	0.193	0.562	M83421/01-__	4091	4092	4093	4094	4095	4096	120.0	0.004	120.0	0.036	78.0	0.23
0.015	0.235	0.562	M83421/01-__	4097	4098	4099	4100	4101	4102	120.0	0.004	120.0	0.045	76.0	0.29
0.018	0.235	0.687	M83421/01-__	4103	4204	4105	4106	4107	4108	120.0	0.005	120.0	0.054	74.0	0.33
0.02	0.235	0.687	M83421/01-__	4109	4110	4111	4112	4113	4114	120.0	0.006	120.0	0.060	71.0	0.36
0.022	0.235	0.687	M83421/01-__	4115	4116	4117	4118	4119	4120	120.0	0.007	120.0	0.066	68.0	0.37
0.027	0.312	0.687	M83421/01-__	4121	4122	4123	4124	4125	4126	120.0	0.008	120.0	0.081	65.0	0.44
0.033	0.312	0.687	M83421/01-__	4127	4128	4129	4130	4131	4132	120.0	0.010	120.0	0.099	62.0	0.51
0.039	0.312	0.687	M83421/01-__	4133	4134	4135	4136	4137	4138	120.0	0.012	120.0	0.12	60.0	0.59
0.047	0.312	0.687	M83421/01-__	4139	4140	4141	4142	4143	4144	120.0	0.014	120.0	0.14	57.0	0.67
0.050	0.312	0.687	M83421/01-__	4145	4146	4147	4148	4149	4150	120.0	0.015	120.0	0.15	56.0	0.70
0.056	0.312	0.813	M83421/01-__	4151	4152	4153	4154	4155	4156	120.0	0.017	120.0	0.17	56.0	0.78
0.068	0.312	0.813	M83421/01-__	4157	4158	4159	4160	4161	4162	120.0	0.020	120.0	0.20	50.0	0.85
0.082	0.312	0.813	M83421/01-__	4163	4164	4165	4166	4167	4168	120.0	0.025	120.0	0.25	44.0	0.90
0.10	0.312	0.813	M83421/01-__	4169	4170	4171	4172	4173	4174	120.0	0.030	120.0	0.30	42.0	1.10
0.12	0.312	0.813	M83421/01-__	4175	4176	4177	4178	4179	4180	120.0	0.036	120.0	0.36	40.0	1.20
0.15	0.400	1.063	M83421/01-__	4181	4182	4183	4184	4185	4186	120.0	0.045	120.0	0.45	36.0	1.34
0.18	0.400	1.375	M83421/01-__	4187	4188	4189	4190	4191	4192	120.0	0.054	120.0	0.54	34.0	1.54
0.20	0.400	1.375	M83421/01-__	4193	4194	4195	4196	4197	4198	120.0	0.060	120.0	0.60	33.0	1.65
0.22	0.400	1.375	M83421/01-__	4199	4200	4201	4202	4203	4204	120.0	0.066	120.0	0.66	32.0	1.76
0.27	0.500	1.375	M83421/01-__	4205	4206	4207	4208	4209	4210	120.0	0.081	120.0	0.81	29.0	1.96
0.33	0.500	1.375	M83421/01-__	4211	4212	4213	4214	4215	4216	120.0	0.099	120.0	0.99	28.0	2.31
0.39	0.500	1.375	M83421/01-__	4217	4218	4219	4220	4221	4222	120.0	0.12	120.0	1.17	27.0	2.63
0.47	0.500	1.375	M83421/01-__	4223	4224	4225	4226	4227	4228	120.0	0.14	120.0	1.41	26.0	3.06
0.5	0.500	1.375	M83421/01-__	4229	4230	4231	4232	4233	4234	120.0	0.15	120.0	1.50	25.0	3.13
0.56	0.500	1.375	M83421/01-__	4235	4236	4237	4238	4239	4240	120.0	0.17	120.0	1.61	23.0	3.17
0.68	0.562	1.375	M83421/01-__	4241	4242	4243	4244	4245	4246	120.0	0.20	120.0	1.87	20.0	3.40
0.82	0.562	1.875	M83421/01-__	4247	4248	4249	4250	4251	4252	120.0	0.25	120.0	2.05	18.0	3.70
1.0	0.562	1.875	M83421/01-__	4253	4254	4255	4256	4257	4258	120.0	0.30	120.0	2.25	15.0	3.75
1.2	0.562	1.875	M83421/01-__	4259	4260	4261	4262	4263	4264	120.0	0.36	120.0	2.61	13.5	4.05

\* Complete part number must include code for the desired failure rate level. Failure rate levels available: M, P, R, S.



## STANDARD RATINGS

μF	Dimensions (Inches)		Part * Number	Dash Number						A-C Ratings Sinusoidal Operation - 65°C to +100°C					
	D +0.020	L ±0.03		Capacitance Tolerance (%)						0 to 4 kHz		4 kHz		40 kHz	
	-0.010			±0.25	±0.5	±1.0	±2.0	±5.0	±10.0	Volts (V)	Current (A)	Volts (V)	Current (A)	Volts (V)	Current (A)
<b>200 VOLTS D-C (Cont.)</b>															
1.5	0.670	1.875	M83421/01-	4265	4266	4267	4268	4269	4270	120.0	0.45	120.0	3.20	12.0	4.50
1.8	0.750	1.875	M83421/01-	4271	4272	4273	4274	4275	4276	120.0	0.54	110.0	3.74	11.0	5.00
2.0	0.750	1.875	M83421/01-	4277	4278	4279	4280	4281	4282	120.0	0.60	100.0	4.05	10.0	5.00
2.2	0.750	1.875	M83421/01-	4283	4284	4285	4286	4287	4288	120.0	0.66	90.5	4.20	9.1	5.00
2.5	0.750	1.875	M83421/01-	4289	4290	4291	4292	4293	4294	120.0	0.75	80.0	4.31	8.0	5.00
2.7	0.750	1.875	M83421/01-	4295	4296	4297	4298	4299	4300	120.0	0.81	77.0	4.60	7.7	5.20
3.0	1.000	1.875	M83421/01-	4301	4302	4303	4304	4305	4306	120.0	0.90	70.0	5.04	7.0	5.27
3.3	1.000	1.875	M83421/01-	4307	4308	4309	4310	4311	4312	120.0	0.99	65.0	5.21	6.5	5.36
3.9	1.000	2.375	M83421/01-	4313	4314	4315	4316	4317	4318	120.0	1.20	55.0	5.39	5.5	5.40
<b>400 VOLTS D-C</b>															
0.001	0.193	0.562	M83421/01-	5001	5002	5003	5004	5005	5006	240.0	0.001	240.0	0.006	100.0	0.025
0.0012	0.193	0.562	M83421/01-	5007	5008	5009	5010	5011	5012	240.0	0.001	240.0	0.007	100.0	0.030
0.0015	0.193	0.562	M83421/01-	5013	5014	5015	5016	5017	5018	240.0	0.001	240.0	0.009	100.0	0.037
0.0018	0.193	0.562	M83421/01-	5019	5020	5021	5022	5023	5024	240.0	0.001	240.0	0.011	100.0	0.045
0.002	0.193	0.562	M83421/01-	5025	5026	5027	5028	5029	5030	240.0	0.001	240.0	0.012	100.0	0.050
0.0022	0.193	0.562	M83421/01-	5031	5032	5033	5034	5035	5036	240.0	0.001	240.0	0.013	100.0	0.055
0.0027	0.235	0.562	M83421/01-	5037	5038	5039	5040	5041	5042	240.0	0.002	240.0	0.016	100.0	0.068
0.0033	0.235	0.562	M83421/01-	5043	5044	5045	5046	5047	5048	240.0	0.002	240.0	0.020	100.0	0.083
0.0039	0.235	0.562	M83421/01-	5049	5050	5051	5052	5053	5054	240.0	0.002	240.0	0.023	100.0	0.097
0.0047	0.235	0.562	M83421/01-	5055	5056	5057	5058	5059	5060	240.0	0.003	240.0	0.028	100.0	0.12
0.005	0.235	0.562	M83421/01-	5061	5062	5063	5064	5065	5066	240.0	0.003	240.0	0.030	100.0	0.13
0.0056	0.235	0.562	M83421/01-	5067	5068	5069	5070	5071	5072	240.0	0.003	240.0	0.034	100.0	0.14
0.0068	0.235	0.687	M83421/01-	5073	5074	5075	5076	5077	5078	240.0	0.004	240.0	0.041	100.0	0.17
0.0082	0.235	0.687	M83421/01-	5079	5080	5081	5082	5083	5084	240.0	0.005	240.0	0.049	100.0	0.21
0.01	0.235	0.687	M83421/01-	5085	5086	5087	5088	5089	5090	240.0	0.006	240.0	0.060	100.0	0.25
0.012	0.235	0.687	M83421/01-	5091	5092	5093	5094	5095	5096	240.0	0.007	240.0	0.072	100.0	0.30
0.015	0.235	0.813	M83421/01-	5097	5098	5099	5100	5101	5102	240.0	0.009	240.0	0.090	94.0	0.35
0.018	0.312	0.813	M83421/01-	5103	5204	5105	5106	5107	5108	240.0	0.011	240.0	0.11	90.0	0.41
0.02	0.312	0.813	M83421/01-	5271	5272	5273	5274	5275	5276	240.0	0.012	240.0	0.12	88.0	0.44
0.0222	0.312	0.813	M83421/01-	5109	5110	5111	5112	5113	5114	240.0	0.013	240.0	0.13	85.0	0.47
0.027	0.312	0.813	M83421/01-	5115	5116	5117	5118	5119	5120	240.0	0.016	240.0	0.16	81.0	0.55
0.033	0.312	0.813	M83421/01-	5121	5122	5123	5124	5125	5126	240.0	0.020	240.0	0.20	78.0	0.65
0.039	0.312	0.813	M83421/01-	5127	5128	5129	5130	5131	5132	240.0	0.023	240.0	0.23	75.0	0.73
0.047	0.400	0.813	M83421/01-	5133	5134	5135	5136	5137	5138	240.0	0.028	240.0	0.28	71.0	0.83
0.05	0.400	0.813	M83421/01-	5139	5140	5141	5142	5143	5144	240.0	0.030	240.0	0.30	70.0	0.88
0.056	0.400	0.813	M83421/01-	5145	5146	5147	5148	5149	5150	240.0	0.034	240.0	0.34	67.0	0.95
0.068	0.400	0.813	M83421/01-	5151	5152	5153	5154	5155	5156	240.0	0.041	240.0	0.41	60.0	1.02
0.10	0.400	1.063	M83421/01-	5163	5164	5165	5166	5167	5168	240.0	0.060	240.0	0.60	46.0	1.20

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## STANDARD RATINGS

Dimensions (Inches)			Part *	Dash Number Capacitance Tolerance (%)						A-C Ratings						
										Sinusoidal Operation - 65°C to +100°C						
μF	D +0.020 -0.010		L ±0.03	Number	±0.25	±0.5	±1.0	±2.0	±5.0	±10.0	0 to 4 kHz		4 kHz		40 kHz	
	Volts (V)	Current (A)									Volts (V)	Current (A)	Volts (V)	Current (A)		
<b>400 VOLTS D-C (Cont.)</b>																
0.12	0.400	1.063	M83421/01-	5169	5170	5171	5172	5173	5174	240.0	0.072	240.0	0.72	44.5	1.34	
0.15	0.400	1.375	M83421/01-	5175	5176	5177	5178	5179	5180	240.0	0.090	240.0	0.83	40.0	1.50	
0.18	0.500	1.375	M83421/01-	5277	5278	5279	5280	5281	5282	240.0	0.11	240.0	0.95	38.0	1.70	
0.20	0.500	1.375	M83421/01-	5181	5182	5183	5184	5185	5186	240.0	0.12	240.0	1.03	37.0	1.85	
0.22	0.500	1.375	M83421/01-	5187	5188	5189	5190	5191	5192	240.0	0.13	240.0	1.10	35.0	1.93	
0.27	0.562	1.375	M83421/01-	5193	5194	5195	5196	5197	5198	240.0	0.16	240.0	1.21	33.0	2.24	
0.33	0.562	1.375	M83421/01-	5199	5200	5201	5202	5203	5204	240.0	0.20	240.0	1.32	32.0	2.65	
0.39	0.562	1.875	M83421/01-	5205	5206	5207	5208	5209	5210	240.0	0.23	240.0	1.48	32.0	3.14	
0.47	0.562	1.875	M83421/01-	5211	5212	5213	5214	5215	5216	240.0	0.28	240.0	1.68	31.0	3.64	
0.50	0.562	1.875	M83421/01-	5217	5218	5219	5220	5221	5222	240.0	0.30	240.0	1.75	30.0	3.75	
0.56	0.562	1.875	M83421/01-	5223	5224	5225	5226	5227	5228	240.0	0.34	240.0	1.92	29.0	4.05	
0.68	0.750	1.875	M83421/01-	5229	5230	5231	5232	5233	5234	240.0	0.41	240.0	2.26	26.0	4.50	
0.82	0.750	1.875	M83421/01-	5235	5236	5237	5238	5239	5240	240.0	0.49	234.0	2.63	23.4	4.80	
1.0	0.750	1.875	M83421/01-	5241	5242	5243	5244	5245	5246	240.0	0.60	208.0	3.00	20.8	5.20	
1.2	1.000	1.875	M83421/01-	5247	5248	5249	5250	5251	5252	240.0	0.72	183.0	3.48	18.3	5.50	
1.5	1.000	2.375	M83421/01-	5253	5254	5255	5256	5257	5258	240.0	0.90	160.0	4.14	16.0	6.00	
1.8	1.000	2.375	M83421/01-	5259	5260	5261	5262	5263	5264	240.0	1.08	150.0	4.69	15.0	6.80	
2.0	1.000	2.375	M83421/01-	5265	5266	5267	5268	5269	5270	240.0	1.20	140.0	5.00	14.0	7.00	

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