

MIL-PRF-39006 (CLR 79/81/90/91) Range

U.S. Military/Established Reliability, MIL-PRF-39006 Qualified Styles CLR 79, 81, 90, 91

In accordance with the U.S. Military Specification MIL-PRF-39006 all capacitors are market with the Part Number M39006/xx - xxx

For information on the performance characteristics of these products please refer to the latest issue of Specification MIL-PRF-39006.

When ordering these capacitors care must be taken to ensure the correct failure rate suffix is specified i.e. 'M', 'P' or 'R' listed code numbers.

Style CLR79, M39006/22
Style CLR81, M39006/25
Style CLR90, M39006/30
Style CLR91, M39006/31

MIL-PRF-39006 Part Number Scheme

Example

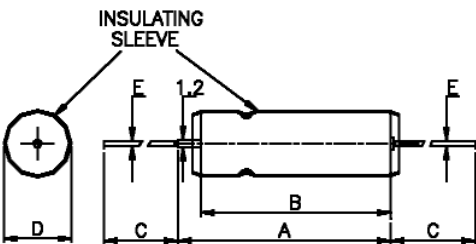
M39006	/	22	-	0001
BASIC DOCUMENT NUMBER		DETAIL SPECIFICATION NUMBER		DASH NUMBER
Indicates the Basic Specification: Namely MIL-PRF-39006		Indicates the detail Specification of the U.S. Military Specification		Taken from table on following page

Table 2

CLR79, CLR81 RIPPLE CURRENT MULTIPLIERS vs FREQUENCY, TEMPERATURE AND APPLIED PEAK VOLTAGE

FREQUENCY OF APPLIED RIPPLE CURRENT		120Hz				800 Hz				1kHz				10kHz				40kHz				100kHz			
AMBIENT STILL AIR		TEMP°C				TEMP°C				TEMP°C				TEMP°C				TEMP°C				TEMP°C			
		55°	85°	105°	125°	55°	85°	105°	125°	55°	85°	105°	125°	55°	85°	105°	125°	55°	85°	105°	125°	55°	85°	105°	125°
% of APPLIED VOLTAGE	100%	.60	.39	-	-	.71	.43	-	-	.72	.46	-	-	.88	.55	-	-	1.0	.63	-	-	1.1	.69	-	-
	90%	.60	.46	-	-	.71	.55	-	-	.72	.55	-	-	.88	.67	-	-	1.0	.87	-	-	1.1	.85	-	-
	80%	.60	.52	.35	-	.71	.62	.42	-	.72	.62	.42	-	.88	.76	.52	-	1.0	.87	.59	-	1.1	.96	.65	-
	70%	.60	.58	.44	-	.71	.69	.52	-	.72	.70	.52	-	.88	.85	.64	-	1.0	.97	.73	-	1.1	1.07	.80	-
	66 2/3%	.60	.60	.46	.27	.71	.71	.55	.32	.72	.72	.55	.32	.88	.88	.68	.40	1.0	1.0	.77	.45	1.1	1.1	.85	.50

Fig. 3. Case Sizes - Outline and Dimensions



Dimensions (mm)

Case Size	A max	B max	C max	D max	E ±0.1
1	16	13	38.10	5.6	0.65
2	21	18	57.15	7.8	0.65
3	24	21	57.15	10.2	0.65
4	31	28	57.15	10.2	0.65

Weight

Case Size	Approximate Weight
1	2.5g
2	5.5g
3	10.5g
4	14.5g

MIL-PRF-39006 (CLR79) Range

Capacitance µF	Cap Tol %	Rated Voltage 85° C	Category Voltage 125° C	Case Size	Max. D.C. Leakage µA + 25° C	Max. D.F. % @ 25° C 120 Hz	Max. ESR Ohms at +25° C 120 Hz	Max. Ripple Current mA rms at 85° C 40 kHz	M39006/22 - xxx* Failure Rate level % / 1000Hrs			Arcotronics Part Number 402/1/-
									M (1.0)	P (0.1)	R (0.01)	
30	20%	6	4	T1	1	9	3.98	820	0001	0221	0441	58101/020
30	10%	6	4	T1	1	9	3.98	820	0002	0222	0442	58101/120
30	5%	6	4	T1	1	9	3.98	820	0003	0223	0443	58101/520
68	20%	6	4	T1	1	15	3.16	960	0004	0224	0444	58101/029
68	10%	6	4	T1	1	15	3.16	960	0005	0225	0445	58101/129
68	5%	6	4	T1	1	15	3.16	960	0006	0226	0446	58101/529
140	20%	6	4	T2	1	21	1.99	1200	0007	0227	0447	58201/036
140	10%	6	4	T2	1	21	1.99	1200	0008	0228	0448	58201/136
140	5%	6	4	T2	1	21	1.99	1200	0009	0229	0449	58201/536
270	20%	6	4	T2	1	45	2.21	1375	0010	0230	0450	58301/043
270	10%	6	4	T2	1	45	2.21	1375	0011	0231	0451	58301/143
270	5%	6	4	T2	1	45	2.21	1375	0012	0232	0452	58301/543
330	20%	6	4	T3	2	36	1.45	1800	0013	0233	0453	58301/046
330	10%	6	4	T3	2	36	1.45	1800	0014	0234	0454	58301/146
330	5%	6	4	T3	2	36	1.45	1800	0015	0235	0455	58301/546
560	20%	6	4	T3	2	55	1.30	1900	0016	0236	0456	58301/051
560	10%	6	4	T3	2	55	1.30	1900	0017	0237	0457	58301/151
560	5%	6	4	T3	2	55	1.30	1900	0018	0238	0458	58301/551
1200	20%	6	4	T4	3	90	1.00	2265	0019	0239	0459	58401/054
1200	10%	6	4	T4	3	90	1.00	2265	0020	0240	0460	58401/154
25	20%	8	5	T1	1	7.5	3.98	820	0021	0241	0461	58102/019
25	10%	8	5	T1	1	7.5	3.98	820	0022	0242	0462	58102/119
25	5%	8	5	T1	1	7.5	3.98	820	0023	0243	0463	58102/519
56	20%	8	5	T1	1	14	3.32	900	0024	0244	0464	58102/027
56	10%	8	5	T1	1	14	3.32	900	0025	0245	0465	58102/127
56	5%	8	5	T1	1	14	3.32	900	0026	0246	0466	58102/527
120	20%	8	5	T2	1	20	2.21	1220	0027	0247	0467	58202/035
120	10%	8	5	T2	1	20	2.21	1220	0028	0248	0468	58202/135
120	5%	8	5	T2	1	20	2.21	1220	0029	0249	0469	58202/535
220	20%	8	5	T2	1	37	2.23	1370	0030	0250	0470	58202/041
220	10%	8	5	T2	1	37	2.23	1370	0031	0251	0471	58202/141
220	5%	8	5	T2	1	37	2.23	1370	0032	0252	0472	58202/541
290	20%	8	5	T3	2	34	1.56	1770	0033	0253	0473	58302/044
290	10%	8	5	T3	2	34	1.56	1770	0034	0254	0474	58302/144
290	5%	8	5	T3	2	34	1.56	1770	0035	0255	0475	58302/544
430	20%	8	5	T3	2	46	1.42	1825	0036	0256	0476	58302/049
430	10%	8	5	T3	2	46	1.42	1825	0037	0257	0477	58302/149
430	5%	8	5	T3	2	46	1.42	1825	0038	0258	0478	58302/549
850	20%	8	5	T4	4	60	0.94	2330	0039	0259	0479	58402/053
850	10%	8	5	T4	4	60	0.94	2330	0040	0260	0480	58402/153
20	20%	10	7	T1	1	6	3.98	820	0041	0261	0481	58103/017
20	10%	10	7	T1	1	6	3.98	820	0042	0262	0482	58103/117
20	5%	10	7	T1	1	6	3.98	820	0043	0263	0483	58103/517
47	20%	10	7	T1	1	13	3.67	855	0044	0264	0484	57612/015
47	10%	10	7	T1	1	13	3.67	855	0045	0265	0485	57612/115
47	5%	10	7	T1	1	13	3.67	855	0046	0266	0486	57612/515
100	20%	10	7	T2	1	15	1.99	1200	0047	0267	0487	58203/033
100	10%	10	7	T2	1	15	1.99	1200	0048	0268	0488	58203/133
100	5%	10	7	T2	1	15	1.99	1200	0049	0269	0489	58203/533
180	20%	10	7	T2	1	30	2.21	1365	0050	0270	0490	57622/022
180	10%	10	7	T2	1	30	2.21	1365	0051	0271	0491	57622/122
180	5%	10	7	T2	1	30	2.21	1365	0052	0272	0492	57622/522
250	20%	10	7	T3	2	30	1.59	1720	0053	0273	0493	58303/042
250	10%	10	7	T3	2	30	1.59	1720	0054	0274	0494	58303/142
250	5%	10	7	T3	2	30	1.59	1720	0055	0275	0495	58303/542
390	20%	10	7	T3	2	44	1.50	1800	0056	0276	0496	58303/048
390	10%	10	7	T3	2	44	1.50	1800	0057	0277	0497	58303/148
390	5%	10	7	T3	2	44	1.50	1800	0058	0278	0498	58303/548
750	20%	10	7	T4	4	50	0.88	2360	0059	0279	0499	58403/052
750	10%	10	7	T4	4	50	0.88	2360	0060	0280	0500	58403/152
15	20%	15	10	T1	1	5	4.42	780	0061	0281	0501	58104/015
15	10%	15	10	T1	1	5	4.42	780	0062	0282	0502	58104/115
15	5%	15	10	T1	1	5	4.42	780	0063	0283	0503	58104/515
33	20%	15	10	T1	1	10	4.02	820	0064	0284	0504	58104/021
33	10%	15	10	T1	1	10	4.02	820	0065	0285	0505	58104/121
33	5%	15	10	T1	1	10	4.02	820	0066	0286	0506	58104/521
70	20%	15	10	T2	1	13	2.46	1150	0067	0287	0507	58204/030
70	10%	15	10	T2	1	13	2.46	1150	0068	0288	0508	58204/130
70	5%	15	10	T2	1	13	2.46	1150	0069	0289	0509	58204/530
120	20%	15	10	T2	1	18	1.99	1450	0070	0290	0510	58204/035
120	10%	15	10	T2	1	18	1.99	1450	0071	0291	0511	58204/135
120	5%	15	10	T2	1	18	1.99	1450	0072	0292	0512	58204/535
170	20%	15	10	T3	2	25	1.95	1480	0073	0293	0513	58304/039
170	10%	15	10	T3	2	25	1.95	1480	0074	0294	0514	58304/139
170	5%	15	10	T3	2	25	1.95	1480	0075	0295	0515	58304/539
270	20%	15	10	T3	2	32	1.57	1740	0076	0296	0516	58304/043
270	10%	15	10	T3	2	32	1.57	1740	0077	0297	0517	58304/143
270	5%	15	10	T3	2	32	1.57	1740	0078	0298	0518	58304/543
540	20%	15	10	T4	6	40	0.98	2330	0079	0299	0519	58404/050
540	10%	15	10	T4	6	40	0.98	2330	0080	0300	0520	58404/150

*Add a letter 'H' after the 3 digit code to include the optional vibration and shock requirements (51g random vibration, 80g sinusoidal and 500g shock)

MIL-PRF-39006 (CLR79) Range

Capacitance µF	Cap Tol %	Rated Voltage 85°C	Category Voltage 125°C	Case Size	Max. D.C. Leakage µA + 25°C	Max. D.F. % @ 25°C 120 Hz	Max. ESR Ohms at +25°C 120 Hz	Max. Ripple Current mA rms at 85°C 40 kHz	M39006/22 - xxx* Failure Rate level % / 1000Hrs			Arcotronics Part Number 402/1/-
									M (1.0)	P (0.1)	R (0.01)	
10	20%	25	15	T1	1	4	5.31	715	0081	0301	0521	58105/012
10	10%	25	15	T1	1	4	5.31	715	0082	0302	0522	58105/112
10	5%	25	15	T1	1	4	5.31	715	0083	0303	0523	58105/512
22	20%	25	15	T1	1	6.6	3.98	825	0084	0304	0524	57614/011
22	10%	25	15	T1	1	6.6	3.98	825	0085	0305	0525	57614/111
22	5%	25	15	T1	1	6.6	3.98	825	0086	0306	0526	57614/511
50	20%	25	15	T2	1	11	2.92	1130	0087	0307	0527	58205/026
50	10%	25	15	T2	1	11	2.92	1130	0088	0308	0528	58205/126
50	5%	25	15	T2	1	11	2.92	1130	0089	0309	0529	58205/516
100	20%	25	15	T2	1	15	1.99	1435	0090	0310	0530	57624/019
100	10%	25	15	T2	1	15	1.99	1435	0091	0311	0531	57624/119
100	5%	25	15	T2	1	15	1.99	1435	0092	0312	0532	57624/519
120	20%	25	15	T3	2	21	2.32	1450	0093	0313	0533	58305/035
120	10%	25	15	T3	2	21	2.32	1450	0094	0314	0534	58305/135
120	5%	25	15	T3	2	21	2.32	1450	0095	0315	0535	58305/535
180	20%	25	15	T3	2	26	1.92	1525	0096	0316	0536	58305/040
180	10%	25	15	T3	2	26	1.92	1525	0097	0317	0537	58305/140
180	5%	25	15	T3	2	26	1.92	1525	0098	0318	0538	58305/540
350	20%	25	15	T4	7	35	1.33	1970	0099	0319	0539	58405/047
350	10%	25	15	T4	7	35	1.33	1970	0100	0320	0540	58405/147
8	20%	30	20	T1	1	4	6.64	640	0101	0321	0541	58106/009
8	10%	30	20	T1	1	4	6.64	640	0102	0322	0542	58106/109
8	5%	30	20	T1	1	4	6.64	640	0103	0323	0543	58106/509
15	20%	30	20	T1	1	5	4.42	780	0104	0324	0544	58106/015
15	10%	30	20	T1	1	5	4.42	780	0105	0325	0545	58106/115
15	5%	30	20	T1	1	5	4.42	780	0106	0326	0546	58106/515
40	20%	30	20	T2	1	10	3.32	1120	0107	0327	0547	58206/023
40	10%	30	20	T2	1	10	3.32	1120	0108	0328	0548	58206/123
40	5%	30	20	T2	1	10	3.32	1120	0109	0329	0549	58206/523
68	20%	30	20	T2	1	13	2.54	1285	0110	0330	0550	58206/029
68	10%	30	20	T2	1	13	2.54	1285	0111	0331	0551	58206/129
68	5%	30	20	T2	1	13	2.54	1285	0112	0332	0552	58206/529
100	20%	30	20	T3	2	17	2.26	1450	0113	0333	0553	58306/033
100	10%	30	20	T3	2	17	2.26	1450	0114	0334	0554	58306/133
100	5%	30	20	T3	2	17	2.26	1450	0115	0335	0555	58306/533
150	20%	30	20	T3	2	23	2.03	1525	0116	0336	0556	58306/037
150	10%	30	20	T3	2	23	2.03	1525	0117	0337	0557	58306/137
150	5%	30	20	T3	2	23	2.03	1525	0118	0338	0558	58306/537
300	20%	30	20	T4	8	31	1.37	1950	0119	0339	0559	58406/045
300	10%	30	20	T4	8	31	1.37	1950	0120	0340	0560	58406/145
5	20%	50	30	T1	1	3	7.96	580	0121	0341	0561	58107/007
5	10%	50	30	T1	1	3	7.96	580	0122	0342	0562	58107/107
5	5%	50	30	T1	1	3	7.96	580	0123	0343	0563	58107/507
10	20%	50	30	T1	1	4	5.31	715	0124	0344	0564	58107/012
10	10%	50	30	T1	1	4	5.31	715	0125	0345	0565	58107/112
10	5%	50	30	T1	1	4	5.31	715	0126	0346	0566	58107/512
25	20%	50	30	T2	1	8	4.25	1005	0127	0347	0567	58207/019
25	10%	50	30	T2	1	8	4.25	1005	0128	0348	0568	58207/119
25	5%	50	30	T2	1	8	4.25	1005	0129	0349	0569	58207/519
47	20%	50	30	T2	1	11	3.11	1155	0130	0350	0570	58207/025
47	10%	50	30	T2	1	11	3.11	1155	0131	0351	0571	58207/125
47	5%	50	30	T2	1	11	3.11	1155	0132	0352	0572	58207/525
60	20%	50	30	T3	2	12	2.65	1335	0133	0353	0573	58307/028
60	10%	50	30	T3	2	12	2.65	1335	0134	0354	0574	58307/128
60	5%	50	30	T3	2	12	2.65	1335	0135	0355	0575	58307/528
82	20%	50	30	T3	2	15	2.43	1400	0136	0356	0576	58307/031
82	10%	50	30	T3	2	15	2.43	1400	0137	0357	0577	58307/131
82	5%	50	30	T3	2	15	2.43	1400	0138	0358	0578	58307/531
160	20%	50	30	T4	8	17	1.41	1900	0139	0359	0579	58407/038
160	10%	50	30	T4	8	17	1.41	1900	0140	0360	0580	58407/138
4	20%	60	40	T1	1	2.8	9.29	525	0141	0361	0581	58108/005
4	10%	60	40	T1	1	2.8	9.29	525	0142	0362	0582	58108/105
4	5%	60	40	T1	1	2.8	9.29	525	0143	0363	0583	58108/505
8.2	20%	60	40	T1	1	4	6.47	625	0144	0364	0584	58108/010
8.2	10%	60	40	T1	1	4	6.47	625	0145	0365	0585	58108/110
8.2	5%	60	40	T1	1	4	6.47	625	0146	0366	0586	58108/510
20	20%	60	40	T2	1	7	4.64	930	0147	0367	0587	58208/017
20	10%	60	40	T2	1	7	4.64	930	0148	0368	0588	58208/117
20	5%	60	40	T2	1	7	4.64	930	0149	0369	0589	58208/517
39	20%	60	40	T2	1	10	3.40	1110	0150	0370	0590	58208/022
39	10%	60	40	T2	1	10	3.40	1110	0151	0371	0591	58208/122
39	5%	60	40	T2	1	10	3.40	1110	0152	0372	0592	58208/522
50	20%	60	40	T3	2	10	2.65	1330	0153	0373	0593	58308/026
50	10%	60	40	T3	2	10	2.65	1330	0154	0374	0594	58308/126
50	5%	60	40	T3	2	10	2.65	1330	0155	0375	0595	58308/526
68	20%	60	40	T3	2	13	2.54	1365	0156	0376	0596	58308/029
68	10%	60	40	T3	2	13	2.54	1365	0157	0377	0597	58308/129
68	5%	60	40	T3	2	13	2.54	1365	0158	0378	0598	58308/529
140	20%	60	40	T4	8	16	1.52	1850	0159	0379	0599	58408/036
140	10%	60	40	T4	8	16	1.52	1850	0160	0380	0600	58408/136

* Add a letter 'H' after the 3 digit code to include the optional vibration and shock requirements (51g random vibration, 80g sinusoidal and 500g shock)

MIL-PRF-39006 (CLR79) Range

Capacitance μF	Cap Tol %	Rated Voltage 85°C	Category Voltage 125°C	Case Size	Max. D.C. Leakage μA + 25°C	Max. D.F. % @ 25°C 120 Hz	Max. ESR Ohms at +25°C 120 Hz	Max. Ripple Current mA rms at 85°C 40 kHz	M39006/22 - xxx* Failure Rate level % / 1000Hrs			Arcotronics Part Number 402/1/-
									M (1.0)	P (0.1)	R (0.01)	
3.5	20%	75	50	T1	1	2.5	9.48	525	0161	0381	0601	58109/003
3.5	10%	75	50	T1	1	2.5	9.48	525	0162	0382	0602	58109/103
3.5	5%	75	50	T1	1	2.5	9.48	525	0163	0383	0603	58109/503
6.8	20%	75	50	T1	1	3.5	6.83	610	0164	0384	0604	57617/005
6.8	10%	75	50	T1	1	3.5	6.83	610	0165	0385	0605	57617/105
6.8	5%	75	50	T1	1	3.5	6.83	610	0166	0386	0606	57617/505
15	20%	75	50	T2	1	6	5.31	890	0167	0387	0607	58209/015
15	10%	75	50	T2	1	6	5.31	890	0168	0388	0608	58209/115
15	5%	75	50	T2	1	6	5.31	890	0169	0389	0609	58209/515
33	20%	75	50	T2	1	10	4.02	1000	0170	0390	0610	57627/013
33	10%	75	50	T2	1	10	4.02	1000	0171	0391	0611	57627/113
33	5%	75	50	T2	1	10	4.02	1000	0172	0392	0612	57627/513
40	20%	75	50	T3	2	9	2.99	1250	0173	0393	0613	58309/023
40	10%	75	50	T3	2	9	2.99	1250	0174	0394	0614	58309/123
40	5%	75	50	T3	2	9	2.99	1250	0175	0395	0615	58309/523
56	20%	75	50	T3	2	11	2.61	1335	0176	0396	0616	58309/027
56	10%	75	50	T3	2	11	2.61	1335	0177	0397	0617	58309/127
56	5%	75	50	T3	2	11	2.61	1335	0178	0398	0618	58309/527
110	20%	75	50	T4	9	12	1.45	1850	0179	0399	0619	58409/034
110	10%	75	50	T4	9	12	1.45	1850	0180	0400	0620	58409/134

2.5	20%	100	65	T1	1	2	10.62	505	0181	0401	0621	57608/003
2.5	10%	100	65	T1	1	2	10.62	505	0182	0402	0622	57608/103
2.5	5%	100	65	T1	1	2	10.62	505	0183	0403	0623	57608/503
4.7	20%	100	65	T1	1	3	8.47	565	0184	0404	0624	57618/003
4.7	10%	100	65	T1	1	3	8.47	565	0185	0405	0625	57618/103
4.7	5%	100	65	T1	1	3	8.47	565	0186	0406	0626	57618/503
11	20%	100	65	T2	1	5	6.03	835	0187	0407	0627	57606/005
11	10%	100	65	T2	1	5	6.03	835	0188	0408	0628	57606/105
11	5%	100	65	T2	1	5	6.03	835	0189	0409	0629	57606/505
22	20%	100	65	T2	1	7.5	4.52	965	0190	0410	0630	57628/011
22	10%	100	65	T2	1	7.5	4.52	965	0191	0411	0631	57628/111
22	5%	100	65	T2	1	7.5	4.52	965	0192	0412	0632	57628/511
30	20%	100	65	T3	2	7	3.10	1240	0193	0413	0633	58310/020
30	10%	100	65	T3	2	7	3.10	1240	0194	0414	0634	58310/120
30	5%	100	65	T3	2	7	3.10	1240	0195	0415	0635	58310/520
43	20%	100	65	T3	2	8.5	2.62	1335	0196	0416	0636	58310/024
43	10%	100	65	T3	2	8.5	2.62	1335	0197	0417	0637	58310/124
43	5%	100	65	T3	2	8.5	2.62	1335	0198	0418	0638	58310/524
86	20%	100	65	T4	9	10	1.54	1800	0199	0419	0639	58410/032
86	10%	100	65	T4	9	10	1.54	1800	0200	0420	0640	58410/132

1.7	20%	125	85	T1	1	2	15.61	415	0201	0421	0641	57608/006
1.7	10%	125	85	T1	1	2	15.61	415	0202	0422	0642	57608/106
1.7	5%	125	85	T1	1	2	15.61	415	0203	0423	0643	57608/506
3.6	20%	125	85	T1	1	2.7	9.95	520	0204	0424	0644	58111/004
3.6	10%	125	85	T1	1	2.7	9.95	520	0205	0425	0645	58111/104
3.6	5%	125	85	T1	1	2.7	9.95	520	0206	0426	0646	58111/504
9	20%	125	85	T2	1	5	7.37	755	0207	0427	0647	58211/011
9	10%	125	85	T2	1	5	7.37	755	0208	0428	0648	58211/111
9	5%	125	85	T2	1	5	7.37	755	0209	0429	0649	58211/511
14	20%	125	85	T2	1	6	5.69	860	0210	0430	0650	58211/014
14	10%	125	85	T2	1	6	5.69	860	0211	0431	0651	58211/114
14	5%	125	85	T2	1	6	5.69	860	0212	0432	0652	58211/514
18	20%	125	85	T3	2	5	3.69	1130	0213	0433	0653	57639/010
18	10%	125	85	T3	2	5	3.69	1130	0214	0434	0654	57639/110
18	5%	125	85	T3	2	5	3.69	1130	0215	0435	0655	57639/510
25	20%	125	85	T3	2	6	3.18	1200	0216	0436	0656	58311/019
25	10%	125	85	T3	2	6	3.18	1200	0217	0437	0657	58311/119
25	5%	125	85	T3	2	6	3.18	1200	0218	0438	0658	58311/519
56	20%	125	85	T4	10	6.5	1.54	1800	0219	0439	0659	58411/027
56	10%	125	85	T4	10	6.5	1.54	1800	0220	0440	0660	58411/127

MIL-PRF-39006 (CLR81) Range

Capacitance μF	Cap Tol %	Rated Voltage 85°C	Category Voltage 125°C	Case Size	Max. D.C. Leakage μA + 25°C	Max. D.F. % @ 25°C 120 Hz	Max. ESR Ohms at +25°C 120 Hz	Max. Ripple Current mA rms at 85°C 40 kHz	M39006/25 - xxx* Failure Rate level % / 1000Hrs			Arcotronics Part Number 402/1/-
									M (1.0)	P (0.1)	R (0.01)	
220	20%	6	4	T1	2	50	3.02	1000	0001	0089	0177	58101/041
220	10%	6	4	T1	2	50	3.02	1000	0002	0090	0178	58101/141
820	20%	6	4	T2	3	155	2.51	1500	0003	0091	0179	57606/006
820	10%	6	4	T2	3	155	2.51	1500	0004	0092	0180	57606/106
1500	20%	6	4	T3	5	172	1.52	1900	0005	0093	0181	58301/055
1500	10%	6	4	T3	5	172	1.52	1900	0006	0094	0182	58301/155
2200	20%	6	4	T4	6	170	1.03	2300	0007	0095	0183	58401/057
2200	10%	6	4	T4	6	170	1.03	2300	0008	0096	0184	58401/157
180	20%	8	5	T1	2	41	3.02	1000	0009	0097	0185	58102/040
180	10%	8	5	T1	2	41	3.02	1000	0010	0098	0186	58102/140
680	20%	8	5	T2	3	130	2.54	1500	0011	0099	0187	57606/007
680	10%	8	5	T2	3	130	2.54	1500	0012	0100	0188	57606/107

*Add a letter 'H' after the 3 digit code to include the optional vibration and shock requirements (51g random vibration, 80g sinusoidal and 500g shock)

MIL-PRF-39006 (CLR81) Range

Capacitance µF	Cap Tol %	Rated Voltage 85°C	Category Voltage 125°C	Case Size	Max. D.C. Leakage µA + 25°C	Max. D.F. % @ 25°C 120 Hz	Max. ESR Ohms at +25°C 120 Hz	Max. Ripple Current mA rms at 85°C 40 kHz	M39006/25 - xxx* Failure Rate level % / 1000Hrs			Arcotronics Part Number 402/1/-
									M (1.0)	P (0.1)	R (0.01)	
1500	20%	8	5	T3	5	170	1.50	1900	0013	0101	0189	58302/055
1500	10%	8	5	T3	5	170	1.50	1900	0014	0102	0190	58302/155
1800	20%	8	5	T4	7	138	1.02	2300	0015	0103	0191	57607/005
1800	10%	8	5	T4	7	138	1.02	2300	0016	0104	0192	57607/105
150	20%	10	7	T1	2	34	3.01	900	0017	0105	0193	57622/021
150	10%	10	7	T1	2	34	3.01	900	0018	0106	0194	57622/121
560	20%	10	7	T2	3	106	2.51	1450	0019	0107	0195	57622/028
560	10%	10	7	T2	3	106	2.51	1450	0020	0108	0196	57622/128
1200	20%	10	7	T3	5	137	1.51	1850	0021	0109	0197	57632/032
1200	10%	10	7	T3	5	137	1.51	1850	0022	0110	0198	57632/132
1500	20%	10	7	T4	7	114	1.01	2300	0023	0111	0199	57642/033
1500	10%	10	7	T4	7	114	1.01	2300	0024	0112	0200	57642/133
100	20%	15	10	T1	2	30	3.98	900	0025	0113	0201	58104/033
100	10%	15	10	T1	2	30	3.98	900	0026	0114	0202	58104/133
390	20%	15	10	T2	3	74	2.52	1450	0027	0115	0203	58204/048
390	10%	15	10	T2	3	74	2.52	1450	0028	0116	0204	58204/148
820	20%	15	10	T3	6	111	1.80	1800	0029	0117	0205	57605/004
820	10%	15	10	T3	6	111	1.80	1800	0030	0118	0206	57605/104
1000	20%	15	10	T4	8	92	1.22	2300	0031	0119	0207	57607/008
1000	10%	15	10	T4	8	92	1.22	2300	0032	0120	0208	57607/108
68	20%	25	15	T1	2	22	4.29	850	0033	0121	0209	57614/017
68	10%	25	15	T1	2	22	4.29	850	0034	0122	0210	57614/117
270	20%	25	15	T2	3	55	2.70	1400	0035	0123	0211	57624/024
270	10%	25	15	T2	3	55	2.70	1400	0036	0124	0212	57624/124
560	20%	25	15	T3	7	76	1.80	1750	0037	0125	0213	57634/028
560	10%	25	15	T3	7	76	1.80	1750	0038	0126	0214	57634/128
680	20%	25	15	T4	8	63	1.23	2100	0039	0127	0215	57644/029
680	10%	25	15	T4	8	63	1.23	2100	0040	0128	0216	57644/129
56	20%	30	20	T1	2	22	5.21	800	0041	0129	0217	58106/027
56	10%	30	20	T1	2	22	5.21	800	0042	0130	0218	58106/127
220	20%	30	20	T2	3	42	2.53	1200	0043	0131	0219	58206/041
220	10%	30	20	T2	3	42	2.53	1200	0044	0132	0220	58206/141
470	20%	30	20	T3	8	64	1.81	1500	0045	0133	0221	57605/001
470	10%	30	20	T3	8	64	1.81	1500	0046	0134	0222	57605/101
560	20%	30	20	T4	9	55	1.30	2000	0047	0135	0223	58406/051
560	10%	30	20	T4	9	55	1.30	2000	0048	0136	0224	58406/151
33	20%	50	30	T1	2	12.3	4.95	700	0049	0137	0225	58107/021
33	10%	50	30	T1	2	12.3	4.95	700	0050	0138	0226	58107/121
120	20%	50	30	T2	4	22.5	2.49	1200	0051	0139	0227	58207/035
120	10%	50	30	T2	4	22.5	2.49	1200	0052	0140	0228	58207/135
270	20%	50	30	T3	8	37	1.82	1450	0053	0141	0229	58307/043
270	10%	50	30	T3	8	37	1.82	1450	0054	0142	0230	58307/143
330	20%	50	30	T4	9	38	1.53	1900	0055	0143	0231	58407/046
330	10%	50	30	T4	9	38	1.53	1900	0056	0144	0232	58407/146
27	20%	60	40	T1	3	10.2	5.01	700	0057	0145	0233	57608/007
27	10%	60	40	T1	3	10.2	5.01	700	0058	0146	0234	57608/107
100	20%	60	40	T2	4	19	2.52	1100	0059	0147	0235	58208/033
100	10%	60	40	T2	4	19	2.52	1100	0060	0148	0236	58208/133
220	20%	60	40	T3	8	30	1.81	1400	0061	0149	0237	58308/041
220	10%	60	40	T3	8	30	1.81	1400	0062	0150	0238	58308/141
270	20%	60	40	T4	9	27	1.33	1850	0063	0151	0239	58408/043
270	10%	60	40	T4	9	27	1.33	1850	0064	0152	0240	58408/143
22	20%	75	50	T1	3	8.5	5.13	600	0065	0153	0241	57617/011
22	10%	75	50	T1	3	8.5	5.13	600	0066	0154	0242	57617/111
82	20%	75	50	T2	4	15.2	2.46	1000	0067	0155	0243	57627/018
82	10%	75	50	T2	4	15.2	2.46	1000	0068	0156	0244	57627/118
180	20%	75	50	T3	9	37	2.23	1300	0069	0157	0245	57637/022
180	10%	75	50	T3	9	37	2.23	1300	0070	0158	0246	57637/122
220	20%	75	50	T4	10	24.4	1.80	1800	0071	0159	0247	57647/023
220	10%	75	50	T4	10	24.4	1.80	1800	0072	0160	0248	57647/123
10	20%	100	65	T1	3	4.5	5.97	800	0073	0161	0249	57618/007
10	10%	100	65	T1	3	4.5	5.97	800	0074	0162	0250	57618/107
39	20%	100	65	T2	5	10.4	3.54	1300	0075	0163	0251	57628/014
39	10%	100	65	T2	5	10.4	3.54	1300	0076	0164	0252	57628/114
68	20%	100	65	T3	10	11.3	2.21	1600	0077	0165	0253	57638/017
68	10%	100	65	T3	10	11.3	2.21	1600	0078	0166	0254	57638/117
120	20%	100	65	T4	12	25	2.76	2000	0079	0167	0255	57648/020
120	10%	100	65	T4	12	25	2.76	2000	0080	0168	0256	57648/120
6.8	20%	125	85	T1	3	6	11.71	700	0081	0169	0257	57619/005
6.8	10%	125	85	T1	3	6	11.71	700	0082	0170	0258	57619/105
27	20%	125	85	T2	5	7.2	3.54	1200	0083	0171	0259	57629/012
27	10%	125	85	T2	5	7.2	3.54	1200	0084	0172	0260	57629/112
47	20%	125	85	T3	10	7.9	2.23	1500	0085	0173	0261	57639/015
47	10%	125	85	T3	10	7.9	2.23	1500	0086	0174	0262	57639/115
82	20%	125	85	T4	12	17.4	2.82	1900	0087	0175	0263	57649/018
82	10%	125	85	T4	12	17.4	2.82	1900	0088	0176	0264	57649/118

* Add a letter 'H' after the 3 digit code to include the optional vibration and shock requirements (51g random vibration, 80g sinusoidal and 500g shock)

MIL-PRF-39006 (CLR90) Range

Capacitance µF	Cap Tol %	Rated Voltage 85° C	Category Voltage 125° C	Case Size	Max. D.C. Leakage µA + 25° C	Max. D.F. % @ 25° C 120 Hz	Max. ESR Ohms at +25° C 120 Hz	Max. Ripple Current mA rms at 85° C 40 kHz	M39006/30 - XXX* Failure Rate level % / 1000Hrs			Arcotronics Part Number 402/1/-
									M (1.0)	P (0.1)	R (0.01)	
30	20%	6	4	T1	1	4.5	1.99	820	0001	0221	0441	58101/020
30	10%	6	4	T1	1	4.5	1.99	820	0002	0222	0442	58101/120
30	5%	6	4	T1	1	4.5	1.99	820	0003	0223	0443	58101/520
68	20%	6	4	T1	1	7.5	1.58	960	0004	0224	0444	58101/029
68	10%	6	4	T1	1	7.5	1.58	960	0005	0225	0445	58101/129
68	5%	6	4	T1	1	7.5	1.58	960	0006	0226	0446	58101/529
140	20%	6	4	T2	1	10.5	0.99	1200	0007	0227	0447	58201/036
140	10%	6	4	T2	1	10.5	0.99	1200	0008	0228	0448	58201/136
140	5%	6	4	T2	1	10.5	0.99	1200	0009	0229	0449	58201/536
270	20%	6	4	T2	1	22.5	1.11	1375	0010	0230	0450	58301/043
270	10%	6	4	T2	1	22.5	1.11	1375	0011	0231	0451	58301/143
270	5%	6	4	T2	1	22.5	1.11	1375	0012	0232	0452	58301/543
330	20%	6	4	T3	2	18	0.73	1800	0013	0233	0453	58301/046
330	10%	6	4	T3	2	18	0.73	1800	0014	0234	0454	58301/146
330	5%	6	4	T3	2	18	0.73	1800	0015	0235	0455	58301/546
560	20%	6	4	T3	2	27.5	0.65	1900	0016	0236	0456	58301/051
560	10%	6	4	T3	2	27.5	0.65	1900	0017	0237	0457	58301/151
560	5%	6	4	T3	2	27.5	0.65	1900	0018	0238	0458	58301/551
1200	20%	6	4	T4	3	45	0.50	2265	0019	0239	0459	58401/054
1200	10%	6	4	T4	3	45	0.50	2265	0020	0240	0460	58401/154
25	20%	8	5	T1	1	3.75	1.99	820	0021	0241	0461	58102/019
25	10%	8	5	T1	1	3.75	1.99	820	0022	0242	0462	58102/119
25	5%	8	5	T1	1	3.75	1.99	820	0023	0243	0463	58102/519
56	20%	8	5	T1	1	7	1.66	900	0024	0244	0464	58102/027
56	10%	8	5	T1	1	7	1.66	900	0025	0245	0465	58102/127
56	5%	8	5	T1	1	7	1.66	900	0026	0246	0466	58102/527
120	20%	8	5	T2	1	10	1.11	1220	0027	0247	0467	58202/035
120	10%	8	5	T2	1	10	1.11	1220	0028	0248	0468	58202/135
120	5%	8	5	T2	1	10	1.11	1220	0029	0249	0469	58202/535
220	20%	8	5	T2	1	18.5	1.12	1370	0030	0250	0470	58202/041
220	10%	8	5	T2	1	18.5	1.12	1370	0031	0251	0471	58202/141
220	5%	8	5	T2	1	18.5	1.12	1370	0032	0252	0472	58202/541
290	20%	8	5	T3	2	17	0.78	1770	0033	0253	0473	58302/044
290	10%	8	5	T3	2	17	0.78	1770	0034	0254	0474	58302/144
290	5%	8	5	T3	2	17	0.78	1770	0035	0255	0475	58302/544
430	20%	8	5	T3	2	23	0.71	1825	0036	0256	0476	58302/049
430	10%	8	5	T3	2	23	0.71	1825	0037	0257	0477	58302/149
430	5%	8	5	T3	2	23	0.71	1825	0038	0258	0478	58302/549
850	20%	8	5	T4	4	30	0.47	2330	0039	0259	0479	58402/053
850	10%	8	5	T4	4	30	0.47	2330	0040	0260	0480	58402/153
20	20%	10	7	T1	1	3	1.99	820	0041	0261	0481	58103/017
20	10%	10	7	T1	1	3	1.99	820	0042	0262	0482	58103/117
20	5%	10	7	T1	1	3	1.99	820	0043	0263	0483	58103/517
47	20%	10	7	T1	1	6.5	1.84	855	0044	0264	0484	57612/015
47	10%	10	7	T1	1	6.5	1.84	855	0045	0265	0485	57612/115
47	5%	10	7	T1	1	6.5	1.84	855	0046	0266	0486	57612/515
100	20%	10	7	T2	1	7.5	0.99	1200	0047	0267	0487	58203/033
100	10%	10	7	T2	1	7.5	0.99	1200	0048	0268	0488	58203/133
100	5%	10	7	T2	1	7.5	0.99	1200	0049	0269	0489	58203/533
180	20%	10	7	T2	1	15	1.11	1365	0050	0270	0490	57622/022
180	10%	10	7	T2	1	15	1.11	1365	0051	0271	0491	57622/122
180	5%	10	7	T2	1	15	1.11	1365	0052	0272	0492	57622/522
250	20%	10	7	T3	2	15	0.80	1720	0053	0273	0493	58303/042
250	10%	10	7	T3	2	15	0.80	1720	0054	0274	0494	58303/142
250	5%	10	7	T3	2	15	0.80	1720	0055	0275	0495	58303/542
390	20%	10	7	T3	2	22	0.75	1800	0056	0276	0496	58303/048
390	10%	10	7	T3	2	22	0.75	1800	0057	0277	0497	58303/148
390	5%	10	7	T3	2	22	0.75	1800	0058	0278	0498	58303/548
750	20%	10	7	T4	4	25	0.44	2360	0059	0279	0499	58403/052
750	10%	10	7	T4	4	25	0.44	2360	0060	0280	0500	58403/152
15	20%	15	10	T1	1	2.5	2.21	780	0061	0281	0501	58104/015
15	10%	15	10	T1	1	2.5	2.21	780	0062	0282	0502	58104/115
15	5%	15	10	T1	1	2.5	2.21	780	0063	0283	0503	58104/515
33	20%	15	10	T1	1	5	2.01	820	0064	0284	0504	58104/021
33	10%	15	10	T1	1	5	2.01	820	0065	0285	0505	58104/121
33	5%	15	10	T1	1	5	2.01	820	0066	0286	0506	58104/521
70	20%	15	10	T2	1	6.5	1.23	1150	0067	0287	0507	58204/030
70	10%	15	10	T2	1	6.5	1.23	1150	0068	0288	0508	58204/130
70	5%	15	10	T2	1	6.5	1.23	1150	0069	0289	0509	58204/530
120	20%	15	10	T2	1	9	0.99	1450	0070	0290	0510	58204/035
120	10%	15	10	T2	1	9	0.99	1450	0071	0291	0511	58204/135
120	5%	15	10	T2	1	9	0.99	1450	0072	0292	0512	58204/535
170	20%	15	10	T3	2	12.5	0.98	1480	0073	0293	0513	58304/039
170	10%	15	10	T3	2	12.5	0.98	1480	0074	0294	0514	58304/139
170	5%	15	10	T3	2	12.5	0.98	1480	0075	0295	0515	58304/539
270	20%	15	10	T3	2	16	0.79	1740	0076	0296	0516	58304/043
270	10%	15	10	T3	2	16	0.79	1740	0077	0297	0517	58304/143
270	5%	15	10	T3	2	16	0.79	1740	0078	0298	0518	58304/543
540	20%	15	10	T4	6	20	0.49	2330	0079	0299	0519	58404/050
540	10%	15	10	T4	6	20	0.49	2330	0080	0300	0520	58404/150

*Add a letter 'H' after the 3 digit code to include the optional vibration and shock requirements (51g random vibration, 80g sinusoidal and 500g shock)

MIL-PRF-39006 (CLR90) Range

Capacitance µF	Cap Tol %	Rated Voltage 85°C	Category Voltage 125°C	Case Size	Max. D.C. Leakage µA + 25°C	Max. D.F. % @ 25°C 120 Hz	Max. ESR Ohms at +25°C 120 Hz	Max. Ripple Current mA rms at 85°C 40 kHz	M39006/30 - xxx* Failure Rate level % / 1000Hrs			Arcotronics Part Number 402/1/-
									M (1.0)	P (0.1)	R (0.01)	
10	20%	25	15	T1	1	2	2.66	715	0081	0301	0521	58105/012
10	10%	25	15	T1	1	2	2.66	715	0082	0302	0522	58105/112
10	5%	25	15	T1	1	2	2.66	715	0083	0303	0523	58105/512
22	20%	25	15	T1	1	3.3	1.99	825	0084	0304	0524	57614/011
22	10%	25	15	T1	1	3.3	1.99	825	0085	0305	0525	57614/111
22	5%	25	15	T1	1	3.3	1.99	825	0086	0306	0526	57614/511
50	20%	25	15	T2	1	5.5	1.46	1130	0087	0307	0527	58205/026
50	10%	25	15	T2	1	5.5	1.46	1130	0088	0308	0528	58205/126
50	5%	25	15	T2	1	5.5	1.46	1130	0089	0309	0529	58205/516
100	20%	25	15	T2	1	7.5	0.99	1435	0090	0310	0530	57624/019
100	10%	25	15	T2	1	7.5	0.99	1435	0091	0311	0531	57624/119
100	5%	25	15	T2	1	7.5	0.99	1435	0092	0312	0532	57624/519
120	20%	25	15	T3	2	10.5	1.16	1450	0093	0313	0533	58305/035
120	10%	25	15	T3	2	10.5	1.16	1450	0094	0314	0534	58305/135
120	5%	25	15	T3	2	10.5	1.16	1450	0095	0315	0535	58305/535
180	20%	25	15	T3	2	13	0.96	1525	0096	0316	0536	58305/040
180	10%	25	15	T3	2	13	0.96	1525	0097	0317	0537	58305/140
180	5%	25	15	T3	2	13	0.96	1525	0098	0318	0538	58305/540
350	20%	25	15	T4	7	17.5	0.67	1970	0099	0319	0539	58405/047
350	10%	25	15	T4	7	17.5	0.67	1970	0100	0320	0540	58405/147
8	20%	30	20	T1	1	2	3.32	640	0101	0321	0541	58106/009
8	10%	30	20	T1	1	2	3.32	640	0102	0322	0542	58106/109
8	5%	30	20	T1	1	2	3.32	640	0103	0323	0543	58106/509
15	20%	30	20	T1	1	2.5	2.21	780	0104	0324	0544	58106/015
15	10%	30	20	T1	1	2.5	2.21	780	0105	0325	0545	58106/115
15	5%	30	20	T1	1	2.5	2.21	780	0106	0326	0546	58106/515
40	20%	30	20	T2	1	5	1.66	1120	0107	0327	0547	58206/023
40	10%	30	20	T2	1	5	1.66	1120	0108	0328	0548	58206/123
40	5%	30	20	T2	1	5	1.66	1120	0109	0329	0549	58206/523
68	20%	30	20	T2	1	6.5	1.27	1285	0110	0330	0550	58206/029
68	10%	30	20	T2	1	6.5	1.27	1285	0111	0331	0551	58206/129
68	5%	30	20	T2	1	6.5	1.27	1285	0112	0332	0552	58206/529
100	20%	30	20	T3	2	8.5	1.13	1450	0113	0333	0553	58306/033
100	10%	30	20	T3	2	8.5	1.13	1450	0114	0334	0554	58306/133
100	5%	30	20	T3	2	8.5	1.13	1450	0115	0335	0555	58306/533
150	20%	30	20	T3	2	11.5	1.02	1525	0116	0336	0556	58306/037
150	10%	30	20	T3	2	11.5	1.02	1525	0117	0337	0557	58306/137
150	5%	30	20	T3	2	11.5	1.02	1525	0118	0338	0558	58306/537
300	20%	30	20	T4	8	15.5	0.69	1950	0119	0339	0559	58406/045
300	10%	30	20	T4	8	15.5	0.69	1950	0120	0340	0560	58406/145
5	20%	50	30	T1	1	1.5	3.98	580	0121	0341	0561	58107/007
5	10%	50	30	T1	1	1.5	3.98	580	0122	0342	0562	58107/107
5	5%	50	30	T1	1	1.5	3.98	580	0123	0343	0563	58107/507
10	20%	50	30	T1	1	2	2.66	715	0124	0344	0564	58107/012
10	10%	50	30	T1	1	2	2.66	715	0125	0345	0565	58107/112
10	5%	50	30	T1	1	2	2.66	715	0126	0346	0566	58107/512
25	20%	50	30	T2	1	4	2.13	1005	0127	0347	0567	58207/019
25	10%	50	30	T2	1	4	2.13	1005	0128	0348	0568	58207/119
25	5%	50	30	T2	1	4	2.13	1005	0129	0349	0569	58207/519
47	20%	50	30	T2	1	5.5	1.56	1155	0130	0350	0570	58207/025
47	10%	50	30	T2	1	5.5	1.56	1155	0131	0351	0571	58207/125
47	5%	50	30	T2	1	5.5	1.56	1155	0132	0352	0572	58207/525
60	20%	50	30	T3	2	6	1.33	1335	0133	0353	0573	58307/028
60	10%	50	30	T3	2	6	1.33	1335	0134	0354	0574	58307/128
60	5%	50	30	T3	2	6	1.33	1335	0135	0355	0575	58307/528
82	20%	50	30	T3	2	7.5	1.22	1400	0136	0356	0576	58307/031
82	10%	50	30	T3	2	7.5	1.22	1400	0137	0357	0577	58307/131
82	5%	50	30	T3	2	7.5	1.22	1400	0138	0358	0578	58307/531
160	20%	50	30	T4	8	8.5	0.71	1900	0139	0359	0579	58407/038
160	10%	50	30	T4	8	8.5	0.71	1900	0140	0360	0580	58407/138
4	20%	60	40	T1	1	1.4	4.65	525	0141	0361	0581	58108/005
4	10%	60	40	T1	1	1.4	4.65	525	0142	0362	0582	58108/105
4	5%	60	40	T1	1	1.4	4.65	525	0143	0363	0583	58108/505
8.2	20%	60	40	T1	1	2	3.24	625	0144	0364	0584	58108/010
8.2	10%	60	40	T1	1	2	3.24	625	0145	0365	0585	58108/110
8.2	5%	60	40	T1	1	2	3.24	625	0146	0366	0586	58108/510
20	20%	60	40	T2	1	3.5	2.32	930	0147	0367	0587	58208/017
20	10%	60	40	T2	1	3.5	2.32	930	0148	0368	0588	58208/117
20	5%	60	40	T2	1	3.5	2.32	930	0149	0369	0589	58208/517
39	20%	60	40	T2	1	5	1.70	1110	0150	0370	0590	58208/022
39	10%	60	40	T2	1	5	1.70	1110	0151	0371	0591	58208/122
39	5%	60	40	T2	1	5	1.70	1110	0152	0372	0592	58208/522
50	20%	60	40	T3	2	5	1.33	1330	0153	0373	0593	58308/026
50	10%	60	40	T3	2	5	1.33	1330	0154	0374	0594	58308/126
50	5%	60	40	T3	2	5	1.33	1330	0155	0375	0595	58308/526
68	20%	60	40	T3	2	6.5	1.27	1365	0156	0376	0596	58308/029
68	10%	60	40	T3	2	6.5	1.27	1365	0157	0377	0597	58308/129
68	5%	60	40	T3	2	6.5	1.27	1365	0158	0378	0598	58308/529
140	20%	60	40	T4	8	8	0.76	1850	0159	0379	0599	58408/036
140	10%	60	40	T4	8	8	0.76	1850	0160	0380	0600	58408/136

* Add a letter 'H' after the 3 digit code to include the optional vibration and shock requirements (51g random vibration, 80g sinusoidal and 500g shock)

MIL-PRF-39006 (CLR90) Range

Capacitance µF	Cap Tol %	Rated Voltage 85°C	Category Voltage 125°C	Case Size	Max. D.C. Leakage µA + 25°C	Max. D.F. % @ 25°C 120 Hz	Max. ESR Ohms at +25°C 120 Hz	Max. Ripple Current mA rms at 85°C 40 kHz	M39006/30 - XXX* Failure Rate level % / 1000Hrs			Arcotronics Part Number 402/1/-
									M (1.0)	P (0.1)	R (0.01)	
3.5	20%	75	50	T1	1	1.25	4.74	525	0161	0381	0601	58109/003
3.5	10%	75	50	T1	1	1.25	4.74	525	0162	0382	0602	58109/103
3.5	5%	75	50	T1	1	1.25	4.74	525	0163	0383	0603	58109/503
6.8	20%	75	50	T1	1	1.75	3.42	610	0164	0384	0604	57617/005
6.8	10%	75	50	T1	1	1.75	3.42	610	0165	0385	0605	57617/105
6.8	5%	75	50	T1	1	1.75	3.42	610	0166	0386	0606	57617/505
15	20%	75	50	T2	1	3	2.66	890	0167	0387	0607	58209/015
15	10%	75	50	T2	1	3	2.66	890	0168	0388	0608	58209/115
15	5%	75	50	T2	1	3	2.66	890	0169	0389	0609	58209/515
33	20%	75	50	T2	1	5	2.01	1000	0170	0390	0610	57627/013
33	10%	75	50	T2	1	5	2.01	1000	0171	0391	0611	57627/113
33	5%	75	50	T2	1	5	2.01	1000	0172	0392	0612	57627/513
40	20%	75	50	T3	2	4.5	1.50	1250	0173	0393	0613	58309/023
40	10%	75	50	T3	2	4.5	1.50	1250	0174	0394	0614	58309/123
40	5%	75	50	T3	2	4.5	1.50	1250	0175	0395	0615	58309/523
56	20%	75	50	T3	2	5.5	1.31	1335	0176	0396	0616	58309/027
56	10%	75	50	T3	2	5.5	1.31	1335	0177	0397	0617	58309/127
56	5%	75	50	T3	2	5.5	1.31	1335	0178	0398	0618	58309/527
110	20%	75	50	T4	9	6	0.73	1850	0179	0399	0619	58409/034
110	10%	75	50	T4	9	6	0.73	1850	0180	0400	0620	58409/134
2.5	20%	100	65	T1	1	1	5.31	505	0181	0401	0621	57608/003
2.5	10%	100	65	T1	1	1	5.31	505	0182	0402	0622	57608/103
2.5	5%	100	65	T1	1	1	5.31	505	0183	0403	0623	57608/503
4.7	20%	100	65	T1	1	1.5	4.24	565	0184	0404	0624	57618/003
4.7	10%	100	65	T1	1	1.5	4.24	565	0185	0405	0625	57618/103
4.7	5%	100	65	T1	1	1.5	4.24	565	0186	0406	0626	57618/503
11	20%	100	65	T2	1	2.5	3.02	835	0187	0407	0627	57606/005
11	10%	100	65	T2	1	2.5	3.02	835	0188	0408	0628	57606/105
11	5%	100	65	T2	1	2.5	3.02	835	0189	0409	0629	57606/505
22	20%	100	65	T2	1	3.75	2.26	965	0190	0410	0630	57628/011
22	10%	100	65	T2	1	3.75	2.26	965	0191	0411	0631	57628/111
22	5%	100	65	T2	1	3.75	2.26	965	0192	0412	0632	57628/511
30	20%	100	65	T3	2	3.5	1.55	1240	0193	0413	0633	58310/020
30	10%	100	65	T3	2	3.5	1.55	1240	0194	0414	0634	58310/120
30	5%	100	65	T3	2	3.5	1.55	1240	0195	0415	0635	58310/520
43	20%	100	65	T3	2	4.25	1.31	1335	0196	0416	0636	58310/024
43	10%	100	65	T3	2	4.25	1.31	1336	0197	0417	0637	58310/124
43	5%	100	65	T3	2	4.25	1.31	1337	0198	0418	0638	58310/524
86	20%	100	65	T4	9	5	0.77	1800	0199	0419	0639	58410/032
86	10%	100	65	T4	9	5	0.77	1800	0200	0420	0640	58410/132
1.7	20%	125	85	T1	1	1	7.81	415	0201	0421	0641	57608/006
1.7	10%	125	85	T1	1	1	7.81	415	0202	0422	0642	57608/106
1.7	5%	125	85	T1	1	1	7.81	415	0203	0423	0643	57608/506
3.6	20%	125	85	T1	1	1.35	4.98	520	0204	0424	0644	58111/004
3.6	10%	125	85	T1	1	1.35	4.98	520	0205	0425	0645	58111/104
3.6	5%	125	85	T1	1	1.35	4.98	520	0206	0426	0646	58111/504
9	20%	125	85	T2	1	2.5	3.69	755	0207	0427	0647	58211/011
9	10%	125	85	T2	1	2.5	3.69	755	0208	0428	0648	58211/111
9	5%	125	85	T2	1	2.5	3.69	755	0209	0429	0649	58211/511
14	20%	125	85	T2	1	3	2.85	860	0210	0430	0650	58211/014
14	10%	125	85	T2	1	3	2.85	860	0211	0431	0651	58211/114
14	5%	125	85	T2	1	3	2.85	860	0212	0432	0652	58211/514
18	20%	125	85	T3	2	2.5	1.85	1130	0213	0433	0653	57639/010
18	10%	125	85	T3	2	2.5	1.85	1130	0214	0434	0654	57639/110
18	5%	125	85	T3	2	2.5	1.85	1130	0215	0435	0655	57639/510
25	20%	125	85	T3	2	3	1.59	1200	0216	0436	0656	58311/019
25	10%	125	85	T3	2	3	1.59	1200	0217	0437	0657	58311/119
25	5%	125	85	T3	2	3	1.59	1200	0218	0438	0658	58311/519
56	20%	125	85	T4	10	3.25	0.77	1800	0219	0439	0659	58411/027
56	10%	125	85	T4	10	3.25	0.77	1800	0220	0440	0660	58411/127

MIL-PRF-39006 (CLR91) Range

Capacitance µF	Cap Tol %	Rated Voltage 85°C	Category Voltage 125°C	Case Size	Max. D.C. Leakage µA + 25°C	Max. D.F. % @ 25°C 120 Hz	Max. ESR Ohms at +25°C 120 Hz	Max. Ripple Current mA rms at 85°C 40 kHz	M39006/31 - XXX* Failure Rate level % / 1000Hrs			Arcotronics Part Number 402/1/-
									M (1.0)	P (0.1)	R (0.01)	
220	20%	6	4	T1	2	25	1.51	1000	0001	0089	0177	58101/041
220	10%	6	4	T1	2	25	1.51	1000	0002	0090	0178	58101/141
820	20%	6	4	T2	3	77.5	1.26	1500	0003	0091	0179	57606/006
820	10%	6	4	T2	3	77.5	1.26	1500	0004	0092	0180	57606/106
1500	20%	6	4	T3	5	86	0.76	1900	0005	0093	0181	58301/055
1500	10%	6	4	T3	5	86	0.76	1900	0006	0094	0182	58301/155
2200	20%	6	4	T4	6	85	0.52	2300	0007	0095	0183	58401/057
2200	10%	6	4	T4	6	85	0.52	2300	0008	0096	0184	58401/157
180	20%	8	5	T1	2	20.5	1.51	1000	0009	0097	0185	58102/040
180	10%	8	5	T1	2	20.5	1.51	1000	0010	0098	0186	58102/140
680	20%	8	5	T2	3	65	1.27	1500	0011	0099	0187	57606/007
680	10%	8	5	T2	3	65	1.27	1500	0012	0100	0188	57606/107

*Add a letter 'H' after the 3 digit code to include the optional vibration and shock requirements (51g random vibration, 80g sinusoidal and 500g shock)

MIL-PRF-39006 (CLR91) Range

Capacitance µF	Cap Tol %	Rated Voltage 85°C	Category Voltage 125°C	Case Size	Max. D.C. Leakage µA + 25°C	Max. D.F. % @ 25°C 120 Hz	Max. ESR Ohms at +25°C 120 Hz	Max. Ripple Current mA rms at 85°C 40 kHz	M39006/31 - xxx* Failure Rate level % / 1000Hrs			Arcotronics Part Number 402/1/-
									M (1.0)	P (0.1)	R (0.01)	
1500	20%	8	5	T3	5	85	0.75	1900	0013	0101	0189	58302/055
1500	10%	8	5	T3	5	85	0.75	1900	0014	0102	0190	58302/155
1800	20%	8	5	T4	7	69	0.51	2300	0015	0103	0191	57607/005
1800	10%	8	5	T4	7	69	0.51	2300	0016	0104	0192	57607/105
150	20%	10	7	T1	2	17	1.51	900	0017	0105	0193	57622/021
150	10%	10	7	T1	2	17	1.51	900	0018	0106	0194	57622/121
560	20%	10	7	T2	3	53	1.26	1450	0019	0107	0195	57622/028
560	10%	10	7	T2	3	53	1.26	1450	0020	0108	0196	57622/128
1200	20%	10	7	T3	5	68.5	0.76	1850	0021	0109	0197	57632/032
1200	10%	10	7	T3	5	68.5	0.76	1850	0022	0110	0198	57632/132
1500	20%	10	7	T4	7	57	0.51	2300	0023	0111	0199	57642/033
1500	10%	10	7	T4	7	57	0.51	2300	0024	0112	0200	57642/133
100	20%	15	10	T1	2	15	1.99	900	0025	0113	0201	58104/033
100	10%	15	10	T1	2	15	1.99	900	0026	0114	0202	58104/133
390	20%	15	10	T2	3	37	1.26	1450	0027	0115	0203	58204/048
390	10%	15	10	T2	3	37	1.26	1450	0028	0116	0204	58204/148
820	20%	15	10	T3	6	55.5	0.90	1800	0029	0117	0205	57605/004
820	10%	15	10	T3	6	55.5	0.90	1800	0030	0118	0206	57605/104
1000	20%	15	10	T4	8	46	0.61	2300	0031	0119	0207	57607/008
1000	10%	15	10	T4	8	46	0.61	2300	0032	0120	0208	57607/108
68	20%	25	15	T1	2	11	2.15	850	0033	0121	0209	57614/017
68	10%	25	15	T1	2	11	2.15	850	0034	0122	0210	57614/117
270	20%	25	15	T2	3	27.5	1.35	1400	0035	0123	0211	57624/024
270	10%	25	15	T2	3	27.5	1.35	1400	0036	0124	0212	57624/124
560	20%	25	15	T3	7	38	0.90	1750	0037	0125	0213	57634/028
560	10%	25	15	T3	7	38	0.90	1750	0038	0126	0214	57634/128
680	20%	25	15	T4	8	31.5	0.62	2100	0039	0127	0215	57644/029
680	10%	25	15	T4	8	31.5	0.62	2100	0040	0128	0216	57644/129
56	20%	30	20	T1	2	11	2.61	800	0041	0129	0217	58106/027
56	10%	30	20	T1	2	11	2.61	800	0042	0130	0218	58106/127
220	20%	30	20	T2	3	21	1.27	1200	0043	0131	0219	58206/041
220	10%	30	20	T2	3	21	1.27	1200	0044	0132	0220	58206/141
470	20%	30	20	T3	8	32	0.91	1500	0045	0133	0221	57605/001
470	10%	30	20	T3	8	32	0.91	1500	0046	0134	0222	57605/101
560	20%	30	20	T4	9	27.5	0.65	2000	0047	0135	0223	58406/051
560	10%	30	20	T4	9	27.5	0.65	2000	0048	0136	0224	58406/151
33	20%	50	30	T1	2	6.15	2.48	700	0049	0137	0225	58107/021
33	10%	50	30	T1	2	6.15	2.48	700	0050	0138	0226	58107/121
120	20%	50	30	T2	4	11.25	1.25	1200	0051	0139	0227	58207/035
120	10%	50	30	T2	4	11.25	1.25	1200	0052	0140	0228	58207/135
270	20%	50	30	T3	8	18.5	0.91	1450	0053	0141	0229	58307/043
270	10%	50	30	T3	8	18.5	0.91	1450	0054	0142	0230	58307/143
330	20%	50	30	T4	9	19	0.77	1900	0055	0143	0231	58407/046
330	10%	50	30	T4	9	19	0.77	1900	0056	0144	0232	58407/146
27	20%	60	40	T1	3	5.1	2.51	700	0057	0145	0233	57608/007
27	10%	60	40	T1	3	5.1	2.51	700	0058	0146	0234	57608/107
100	20%	60	40	T2	4	9.5	1.26	1100	0059	0147	0235	58208/033
100	10%	60	40	T2	4	9.5	1.26	1100	0060	0148	0236	58208/133
220	20%	60	40	T3	8	15	0.91	1400	0061	0149	0237	58308/041
220	10%	60	40	T3	8	15	0.91	1400	0062	0150	0238	58308/141
270	20%	60	40	T4	9	13.5	0.67	1850	0063	0151	0239	58408/043
270	10%	60	40	T4	9	13.5	0.67	1850	0064	0152	0240	58408/143
22	20%	75	50	T1	3	4.25	2.57	600	0065	0153	0241	57617/011
22	10%	75	50	T1	3	4.25	2.57	600	0066	0154	0242	57617/111
82	20%	75	50	T2	4	7.6	1.23	1000	0067	0155	0243	57627/018
82	10%	75	50	T2	4	7.6	1.23	1000	0068	0156	0244	57627/118
180	20%	75	50	T3	9	12.2	0.90	1300	0069	0157	0245	57637/022
180	10%	75	50	T3	9	12.2	0.90	1300	0070	0158	0246	57637/122
220	20%	75	50	T4	10	18.5	1.12	1800	0071	0159	0247	57647/023
220	10%	75	50	T4	10	18.5	1.12	1800	0072	0160	0248	57647/123
10	20%	100	65	T1	3	2.25	2.99	800	0073	0161	0249	57618/007
10	10%	100	65	T1	3	2.25	2.99	800	0074	0162	0250	57618/107
39	20%	100	65	T2	5	5.2	1.77	1300	0075	0163	0251	57628/014
39	10%	100	65	T2	5	5.2	1.77	1300	0076	0164	0252	57628/114
68	20%	100	65	T3	10	5.65	1.11	1600	0077	0165	0253	57638/017
68	10%	100	65	T3	10	5.65	1.11	1600	0078	0166	0254	57638/117
120	20%	100	65	T4	12	12.5	1.38	2000	0079	0167	0255	57648/020
120	10%	100	65	T4	12	12.5	1.38	2000	0080	0168	0256	57648/120
6.8	20%	125	85	T1	3	3	5.86	700	0081	0169	0257	57619/005
6.8	10%	125	85	T1	3	3	5.86	700	0082	0170	0258	57619/105
27	20%	125	85	T2	5	3.6	1.77	1200	0083	0171	0259	57629/012
27	10%	125	85	T2	5	3.6	1.77	1200	0084	0172	0260	57629/112
47	20%	125	85	T3	10	3.95	1.12	1500	0085	0173	0261	57639/015
47	10%	125	85	T3	10	3.95	1.12	1500	0086	0174	0262	57639/115
82	20%	125	85	T4	12	8.7	1.41	1900	0087	0175	0263	57649/018
82	10%	125	85	T4	12	8.7	1.41	1900	0088	0176	0264	57649/118

* Add a letter 'H' after the 3 digit code to include the optional vibration and shock requirements (51g random vibration, 80g sinusoidal and 500g shock)