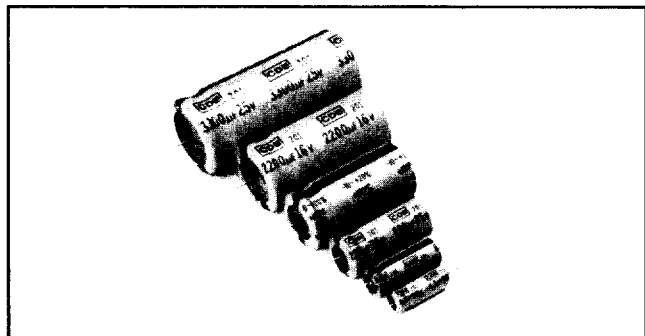


Subminiature 105°C Type 201 - Extended Life High Temperature



Designed for use in automotive, commercial and industrial applications, this type subminiature aluminum electrolytic capacitor operates over a broad temperature range. Low leakage current and small size make it ideal for tantalum replacements. Type 201 is designed for extended life and higher temperature operation. (See Type 226 for the same performance in a radial-leaded type).

Performance Highlights:

- Capacitance 0.1uF to 10,000uF -10+20%, ±20
- Voltage 6.3 Vdc to 250 Vdc
- 1,000 hours load life test at 105°C
- 1,000 hours shelf life test at 105°C
- Operating Temperature - 40°C to 105°C
- Leakage Current
 - 6.3 to 100V: ≤ 0.01CV + 3uA
 - 160 to 250V: ≤ 0.01CV + 20uA

Ratings:

Capacitance uF	ESR max ohms, 120Hz	ripple, amps 120Hz, 85°C	Nominal Case Size D x L (mm)	Catalog Number
6.3 Vdc — 8 Vdc Surge				
47	6.78	0.078	5 x 12.5	201A470P6R3XX
100	3.18	0.130	6.3 x 12.5	201B101P6R3XX
220	1.45	0.240	8 x 16	201D221P6R3XX
330	0.965	0.320	8 x 16	201D331P6R3XX
470	0.678	0.420	8 x 16	201D471P6R3XX
1000	0.318	0.550	10 x 20	201F102P6R3XX
2200	0.157	0.800	13 x 25	201H222P6R3XX
3300	0.113	1.035	13 x 31.5	201I332P6R3XX
4700	0.085	1.275	16 x 31.5	201J472P6R3XX
6800	0.066	1.750	16 x 40	201K682P6R3XX
10000	0.056	2.045	18 x 40	201L103P6R3XX
10 Vdc — 13 Vdc Surge				
22	12.06	0.054	5 x 12.5	201A220P010XX
33	8.04	0.063	5 x 12.5	201A330P010XX
47	5.65	0.083	6.3 x 12.5	201B470P010XX
100	2.65	0.146	6.3 x 16	201C101P010XX
220	1.21	0.260	8 x 16	201D221P010XX
330	0.804	0.340	8 x 16	201D331P010XX
470	0.565	0.440	8 x 20	201E471P010XX
1000	0.265	0.680	10 x 25	201G102P010XX
2200	0.133	0.960	13 x 31.5	201I222P010XX
3300	0.097	1.195	16 x 31.5	201J332P010XX
4700	0.073	1.425	16 x 40	201K472P010XX
6800	0.059	1.850	18 x 40	201L682P010XX
16 Vdc — 20 Vdc Surge				
10	22.56	0.040	5 x 12.5	201A100P016XX
22	10.25	0.075	5 x 12.5	201A220P016XX
33	6.84	0.100	6.3 x 12.5	201B330P016XX
47	4.80	0.125	6.3 x 12.5	201B470P016XX
100	2.26	0.200	6.3 x 16	201C101P016XX
220	1.03	0.335	8 x 16	201D221P016XX
330	0.684	0.430	8 x 20	201E331P016XX
470	0.480	0.575	10 x 20	201F471P016XX
1000	0.226	1.000	13 x 25	201H102P016XX
2200	0.115	1.120	16 x 31.5	201J222P016XX
3300	0.084	1.590	16 x 40	201K332P016XX

Capacitance uF	ESR max ohms, 120Hz	ripple, amps 120Hz, 85°C	Nominal Case Size D x L (mm)	Catalog Number
16 Vdc — 20 Vdc Surge				
4700	0.065	1.890	18 x 40	201L472P016XX
25 Vdc — 32 Vdc Surge				
10	19.90	0.045	5 x 12.5	201A100P025XX
22	9.05	0.080	6.3 x 12.5	201B220P025XX
33	6.03	0.115	6.3 x 12.5	201B330P025XX
47	4.23	0.145	6.3 x 16	201C470P025XX
100	1.99	0.250	8 x 16	201D101P025XX
220	0.905	0.400	8 x 20	201E221P025XX
330	0.603	0.480	10 x 20	201F331P025XX
470	0.423	0.725	10 x 25	201G471P025XX
1000	0.199	1.050	13 x 31.5	201I102P025XX
2200	0.103	1.300	16 x 40	201K222P025XX
3300	0.076	1.630	18 x 40	201L332P025XX
35 Vdc — 44 Vdc Surge				
10	15.92	0.061	5 x 12.5	201A100P035XX
22	7.24	0.105	6.3 x 12.5	201B220P035XX
33	4.83	0.140	6.3 x 16	201C330P035XX
47	3.39	0.175	8 x 16	201D470P035XX
100	1.59	0.290	8 x 20	201E101P035XX
220	0.724	0.480	10 x 20	201F221P035XX
330	0.483	0.580	10 x 25	201G331P035XX
470	0.339	0.780	13 x 25	201H471P035XX
1000	0.159	1.100	16 x 31.5	201J102P035XX
2200	0.084	1.365	16 x 40	201K222P035XX
50 Vdc — 63 Vdc Surge				
0.1	1327	0.004	5 x 12.5	201AR10P050XX
0.22	603.2	0.006	5 x 12.5	201AR22P050XX
0.33	402.1	0.007	5 x 12.5	201AR33P050XX
0.47	282.3	0.009	5 x 12.5	201AR47P050XX
1.0	132.7	0.015	5 x 12.5	201A1R0P050XX
2.2	60.32	0.021	5 x 12.5	201A2R2P050XX
3.3	40.21	0.030	5 x 12.5	201A3R3P050XX
4.7	28.23	0.035	5 x 12.5	201A4R7P050XX
10	13.27	0.061	6.3 x 12.5	201B100P050XX
22	6.03	0.110	6.3 x 16	201C220P050XX

AXIAL LEADED CAPACITORS

Capacitance uF	ESR max ohms, 120Hz	ripple, amps 120Hz, 85°C	Nominal Case Size D x L (mm)	Catalog Number
50 Vdc — 63 Vdc Surge				
33	4.02	0.150	8 x 16	201D330P050XX
47	2.82	0.190	8 x 16	201D470P050XX
100	1.33	0.330	8 x 20	201E101P050XX
220	0.603	0.545	10 x 25	201G221P050XX
330	0.402	0.630	13 x 25	201H331P050XX
470	0.282	0.850	13 x 31.5	201I471P050XX
1000	0.133	1.350	16 x 40	201K102P050XX
63 Vdc — 79 Vdc Surge				
0.10	1327	0.004	5 x 12.5	201AR10P063XX
0.22	603.2	0.006	5 x 12.5	201AR22P063XX
0.33	402.1	0.007	5 x 12.5	201AR33P063XX
0.47	282.3	0.009	5 x 12.5	201AR47P063XX
1.0	132.7	0.016	5 x 12.5	201A1R0P063XX
2.2	60.32	0.021	5 x 12.5	201A2R2P063XX
3.3	40.21	0.030	5 x 12.5	201A3R3P063XX
4.7	28.23	0.035	6.3 x 12.5	201B4R7P063XX
10	13.27	0.061	6.3 x 16	201C100P063XX
22	6.03	0.120	8 x 16	201D220P063XX
33	4.02	0.155	8 x 16	201D330P063XX
47	2.82	0.210	8 x 20	201E470P063XX
100	1.33	0.340	10 x 20	201F101P063XX
220	0.603	0.550	13 x 25	201H221P063XX
330	0.402	0.700	13 x 31.5	201I331P063XX
470	0.282	0.920	16 x 31.5	201J471P063XX
1000	0.133	1.550	18 x 40	201L102P063XX
80 Vdc — 100 Vdc Surge				
0.1	1327	0.004	5 x 12.5	201AR10P080XX
0.22	603.2	0.006	5 x 12.5	201AR22P080XX
0.33	402.1	0.007	5 x 12.5	201AR33P080XX
0.47	282.3	0.009	5 x 12.5	201AR47P080XX
1.0	132.7	0.017	5 x 12.5	201A1R0P080XX
2.2	60.32	0.027	5 x 12.5	201A2R2P080XX
3.3	40.21	0.044	5 x 12.5	201A3R3P080XX
4.7	28.23	0.050	6.3 x 12.5	201B4R7P080XX
10	13.27	0.100	6.3 x 16	201C100P080XX
22	6.03	0.150	8 x 16	201D220P080XX
33	4.02	0.160	8 x 20	201E330P080XX
47	2.82	0.220	10 x 20	201F470P080XX
100	1.33	0.380	13 x 25	201H101P080XX
220	0.603	0.600	13 x 31.5	201I221P080XX
330	0.402	0.825	16 x 31.5	201J331P080XX
470	0.282	1.020	16 x 40	201K471P080XX
100 Vdc — 125 Vdc Surge				
0.1	1062	0.004	5 x 12.5	201AR10P100XX
0.22	482.5	0.006	5 x 12.5	201AR22P100XX
0.33	321.7	0.007	5 x 12.5	201AR33P100XX
0.47	225.9	0.009	5 x 12.5	201AR47P100XX
1.0	106.2	0.017	5 x 12.5	201A1R0P100XX
2.2	48.25	0.027	5 x 12.5	201A2R2P100XX
3.3	32.17	0.044	6.3 x 12.5	201B3R3P100XX
4.7	22.59	0.050	6.3 x 12.5	201B4R7P100XX
10	10.62	0.100	8 x 16	201D100P100XX
22	4.83	0.170	8 x 20	201E220P100XX
33	3.22	0.210	8 x 20	201E330P100XX
47	2.26	0.320	10 x 20	201F470P100XX
100	1.06	0.470	13 x 25	201H101P100XX
220	0.483	0.750	16 x 31.5	201J221P100XX
330	0.322	0.800	16 x 40	201K331P100XX
470	0.226	0.950	18 x 40	201L471P100XX
160 Vdc — 200 Vdc Surge				
1.0	159.2	0.017	6.3 x 16	201C1R0M160XX
2.2	72.38	0.035	8 x 16	201D2R2M160XX
3.3	48.25	0.045	8 x 16	201D3R3M160XX
4.7	33.88	0.055	8 x 20	201E4R7M160XX
10	15.92	0.090	10 x 25	201G100M160XX
22	7.24	0.140	13 x 25	201H220M160XX
33	4.83	0.170	13 x 31.5	201I330M160XX
47	3.39	0.220	16 x 31.5	201J470M160XX
100	1.59	0.330	16 x 40	201K101M160XX

Capacitance uF	ESR max ohms, 120Hz	ripple, amps 120Hz, 85°C	Nominal Case Size D x L (mm)	Catalog Number
200 Vdc — 250 Vdc Surge				
1.0	159.2	0.017	8 x 16	201D1R0M200XX
2.2	72.38	0.035	8 x 16	201D2R2M200XX
3.3	48.25	0.045	8 x 16	201D3R3M200XX
4.7	33.88	0.060	8 x 20	201E4R7M200XX
10	15.92	0.095	10 x 25	201G100M200XX
22	7.24	0.145	13 x 25	201H220M200XX
33	4.83	0.180	13 x 31.5	201I330M200XX
47	3.39	0.220	16 x 31.5	201J470M200XX
100	1.59	0.340	16 x 40	201K101M200XX
250 Vdc — 300 Vdc Surge				
1.0	159.2	0.017	8 x 16	201D1R0M250XX
2.2	72.38	0.035	8 x 16	201D2R2M250XX
3.3	48.25	0.045	8 x 16	201D3R3M250XX
4.7	33.88	0.060	10 x 20	201F4R7M250XX
10	15.92	0.095	13 x 25	201H100M250XX
22	7.24	0.160	13 x 31.5	201I220M250XX
33	4.83	0.185	16 x 31.5	201J330M250XX
47	3.39	0.230	16 x 40	201K470M250XX
100	1.59	0.380	18 x 40	201L101M250XX