

Volt d.c.	µF	Order Code	1+	50+	100+
40	3300	116-6577	295.00	242.00	198.00
40	4700	116-6579	360.00	295.00	241.00
40	6800	116-6581	416.00	341.00	279.00
40	10000	116-6582	509.00	418.00	342.00
40	15000	116-6583	675.00	443.00	397.00
40	22000	116-6611	858.00	566.00	508.00
63	1000	116-6584	244.00	200.00	164.00
63	1500	116-6585	271.00	222.00	182.00
63	2200	116-6586	324.00	266.00	217.00
63	3300	116-6587	386.00	316.00	259.00
63	4700	116-6588	502.00	328.00	296.00
63	6800	116-6589	632.00	415.00	373.00
63	10000	116-6590	751.00	616.00	504.00
100	470	116-6592	290.00	189.00	171.00
100	1000	116-6593	396.00	258.00	233.00
100	2200	116-6594	562.00	368.00	332.00

ALT 22 Series – Long Life



- Long life grade aluminium electrolytic
- Low ESR and impedance
- Solder tag termination

Operating temperature -40°C to +85°C
 Tolerance ±20%
 DC leakage current 0.006 CV+4µA
 Operating life @ 85°C Life is dependent on case size:
 dia 25 12000hrs
 30 15000hrs
 35 18000hrs
 40 26000hrs

Solder tag length 10mm

Volt d.c.	µF	Ripple (A) @ 100Hz	Ripple (A) @ 10kHz	ESR max. mΩ @ 20°C	Dimensions H Dia.	Mfrs. List No.	Order Code
16	10000	3.30	3.53	54	45 25	ALT22A103AB016.	536-143
16	47000	6.29	6.73	31	55 40	ALT22A473DD016.	536-155
16	47000	6.29	6.73	31	55 40	ALT22A473DD016	934-8336
40	4700	3.21	4.46	57	45 25	ALT22A472AB040.	536-167
40	4700	3.21	4.46	57	45 25	ALT22A472AB040	934-8310
40	10000	4.23	5.88	50	45 35	ALT22A103CB040.	536-179
40	10000	4.23	5.88	50	45 35	ALT22A103CB040	934-8247
40	22000	5.60	7.78	39	55 40	ALT22A223DD040.	536-180
40	22000	5.60	7.78	39	55 40	ALT22A223DD040	934-8298
63	4700	3.65	5.07	55	45 30	ALT22A472BB063.	536-192
63	4700	3.65	5.07	55	45 30	ALT22A472BB063	934-8328
63	10000	4.97	6.91	42	55 35	ALT22A103CD063.	536-209
63	10000	4.97	6.91	42	55 35	ALT22A103CD063	934-8255
63	15000	7.19	9.99	30	75 40	ALT22A153DE063.	536-210
63	15000	7.19	9.99	30	75 40	ALT22A153DE063	934-8263
200	220	1.43	2.70	289	45 25	ALT22A221AB200.	536-222
200	220	1.43	2.70	289	45 25	ALT22A221AB200	934-8271
200	680	3.34	6.31	140	45 40	ALT22A681DB200.	536-234
200	680	3.34	6.31	140	45 40	ALT22A681DB200	934-8344
200	1000	4.19	7.92	104	55 40	ALT22A102DD200.	536-246
200	1000	4.19	7.92	104	55 40	ALT22A102DD200.	934-8220
200	2200	7.95	15.02	48	105 40	ALT22A222DF200.	536-258
200	2200	7.95	15.02	48	105 40	ALT22A222DF200	934-8280
385	100	0.67	1.26	1301	45 25	ALT22A101AB385.	536-260
385	100	0.67	1.26	1301	45 25	ALT22A101AB385	934-8212
385	470	2.37	4.48	324	55 40	ALT22A471DD385.	536-271
385	470	2.37	4.48	324	55 40	ALT22A471DD385	934-8301
385	1000	4.49	8.48	151	105 40	ALT22A102DF385.	536-283
385	1000	4.49	8.48	151	105 40	ALT22A102DF385	934-8239

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Volt d.c.	µF	Order Code	1+	10+	50+	100+	+
16	10000	536-143	331.00	305.00	282.00	205.00	--
16	47000	536-155	670.00	631.00	606.00	442.00	--
16	47000	934-8336	670.00	631.00	606.00	469.00	--
40	4700	536-167	352.00	332.00	317.00	246.00	--
40	4700	934-8310	352.00	332.00	317.00	231.00	--
40	10000	536-179	510.00	481.00	461.00	337.00	--
40	10000	934-8247	510.00	481.00	461.00	337.00	--
40	22000	536-180	895.00	844.00	808.00	626.00	--
40	22000	934-8298	895.00	844.00	808.00	589.00	--
63	4700	536-192	477.00	444.00	431.00	315.00	--
63	4700	934-8328	477.00	444.00	431.00	315.00	--
63	10000	536-209	798.00	750.00	721.00	526.00	--
63	10000	934-8255	798.00	750.00	721.00	526.00	--
63	15000	536-210	1,133.00	1,070.00	1,024.00	746.00	--
63	15000	934-8263	1,133.00	1,070.00	1,024.00	746.00	--
200	220	536-222	336.00	318.00	304.00	222.00	--
200	220	934-8271	336.00	318.00	304.00	222.00	--
200	680	536-234	598.00	563.00	539.00	393.00	--
200	680	934-8344	598.00	563.00	539.00	393.00	--
200	1000	536-246	668.00	633.00	609.00	528.00	--
200	1000	934-8220	668.00	633.00	609.00	528.00	--
200	2200	536-258	1,235.00	1,164.00	1,116.00	864.00	--
200	2200	934-8280	1,235.00	1,164.00	1,116.00	813.00	--
385	100	536-260	358.00	338.00	322.00	252.00	--

Volt d.c.	µF	Order Code	1+	10+	50+	100+	+
385	100	934-8212	358.00	338.00	322.00	237.00	--
385	470	536-271	890.00	837.00	805.00	624.00	--
385	470	934-8301	890.00	837.00	805.00	624.00	--
385	1000	536-283	1,663.00	1,568.00	1,504.00	1,094.00	--
385	1000	934-8239	1,663.00	1,568.00	1,504.00	1,094.00	--

Aluminium Electrolytic - Screw Terminal

B41456/43456 Series - 85°C



- High performance long life

Operating temperature -40°C to +85°C
 -25°C to +85°C (450V)
 Tolerance ±20%
 Useful life @ 85°C 12000 hrs
 Climatic category 40/085/56
 25/085/56 (450V)

µF	Ripple Current (A)	Impedance (mΩ) @10kHz, 20°C	ESR max(mΩ) @ 100Hz	Dimensions H Dia.	Mfrs. List No.	Order Code
16 Volt d.c.						
22000	7.1	23	28	55.7 35.7	B41456B4229M	470-4617
47000	11	13	16	80.7 35.7	B41456B4479M	470-4629
100000	14	8.2	10	80.7 51.6	B41456B4100M	470-4630
680000	26	4.6	5.8	143.2 76.9	B41456B4680M	470-4642
25 Volt d.c.						
68000	13	9.3	12	80.7 51.6	B41456B5689M	470-4654
470000	31	4.8	6	220.7 76.9	B41456B5470M	470-4666
40 Volt d.c.						
10000	6.3	34	37	55.7 35.7	B41456B7109M	470-4678
22000	9.6	18	20	80.7 35.7	B41456B7229M	470-4680
47000	13	10	12	80.7 51.6	B41456B7479M.	387-8090
100000	19	7	8.2	105.7 64.3	B41456B7100M	470-4708
220000	25	5.4	6.5	143.2 76.9	B41456B7220M	470-4710
63 Volt d.c.						
4700	4.9	58	60	55.7 35.7	B41456B8478M	470-4721
10000	7.7	30	31	80.7 35.7	B41456B8109M	470-4733
22000	11	16	16	80.7 51.6	B41456B8229M	387-8107
68000	20	7.8	7.9	105.7 76.9	B41456B8689M.	387-8119
150000	31	5.7	5.8	220.7 76.9	B41456B8150M	470-4769
100 Volt d.c.						
2200	4.3	70	80	55.7 37.5	B41456B9228M.	387-8120
4700	6.7	35	40	80.7 35.7	B41456B9478M.	387-8132
10000	10	18	22	80.7 51.6	B41456B9109M.	387-8144
22000	17	11	13	105.7 64.3	B41456B9229M	470-4800
47000	24	7.1	8.5	143.2 76.9	B41456B9479M.	387-8156
350 Volt d.c.						
8200	20	20	20	143.2 76.9	B43456A4828M	470-4824
400 Volt d.c.						
1500	13*	93	110	80.7 51.6	B43456A9158M	387-8168
3300	20*	44	49	105.7 64.3	B43456A9338M	470-4836
4700	29*	32	34	105.7 76.9	B43456A9478M	387-8170
6800	33*	24	24	143.2 76.9	B43456A9688M	387-8181
10000	48*	16	16	144.5 91	B43456A9109M	470-4848
12000	46*	14	14	220.7 76.9	B43456A9129M.	387-8193
15000	54*	11	11	221 91	B43456A9159M	470-4850
450 Volt d.c.						
1000	9.6*	190	220	80.7 51.6	B43456A5108M	387-8200
1500	12*	130	150	105.7 51.6	B43456A5158M	470-4861
2200	15*	85	100	105.7 64.3	B43456A5228M	387-8211
3300	23*	57	65	105.7 76.9	B43456A5338M	387-8223
5600	31*	35	38	143.2 76.9	B43456-A5568M	387-8235
6800	37*	31	32	144.5 91	B43456A5688M	470-4873
12000	51*	18	18	221 91	B43456A5129M	470-4897

*With base cooling

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µF	Order Code	1+	10+	50+	100+	+
16 Volt d.c.						
22000	NEW 470-4617	534.00	475.00	411.00	347.00	--
47000	NEW 470-4629	712.00	634.00	548.00	463.00	--
100000	NEW 470-4630	1,121.00	998.00	863.00	729.00	--
680000	NEW 470-4642	4,325.00	3,849.00	3,330.00	2,811.00	--
25 Volt d.c.						
68000	NEW 470-4654	1,121.00	998.00	863.00	729.00	--
470000	NEW 470-4666	4,806.00	4,277.00	3,700.00	3,124.00	--
40 Volt d.c.						
10000	NEW 470-4678	712.00	634.00	548.00	463.00	--
22000	NEW 470-4680	890.00	792.00	685.00	579.00	--
47000	387-8090	1,437.00	1,302.00	1,126.00	951.00	--
100000	NEW 470-4708	2,243.00	1,996.00	1,727.00	1,458.00	--
220000	NEW 470-4710	4,005.00	3,564.00	3,084.00	2,603.00	--
63 Volt d.c.						
4700	NEW 470-4721	712.00	634.00	548.00	463.00	--
10000	NEW 470-4733	890.00	792.00	685.00	579.00	--
22000	387-8107	1,429.00	1,295.00	1,120.00	946.00	--
68000	387-8119	3,813.00	3,454.00	2,989.00	2,523.00	--
150000	NEW 470-4769	5,606.00	4,990.00	4,317.00	3,644.00	--

Capacitors

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Compliant
 Non-compliant
 + Limited stock - RoHS replacement available
RoHS