

S Series – 50 Volt d.c. Bi-polar



- General purpose miniature bi-polar aluminium electrolytic
- Suitable for circuits where polarity is not constant or where reverse voltage may be applied

Operating temperature	-40°C to +85°C	DC leakage current	0.03CV+3µA
Tolerance	±20%	Operating life @ 85°C	2000hrs
Power factor	0.15		

µF	Dimensions		Lead Pitch	Lead Dia	Mfrs. List No.	Order Code
	H	Dia.				
1.0	11.0	5.0	2.0	0.5	ECEA1HN010S	218-637
2.2	11.0	5.0	2.0	0.5	ECEA1HN2R2S	218-649
4.7	11.2	6.3	2.5	0.6	ECEA1HN4R7S	218-650
10	11.5	8.0	3.5	0.6	ECEA1HN100S	218-662
22	12.5	10.0	5.0	0.6	ECEA1HN220S	218-674
47	20.0	10.0	5.0	0.6	ECEA1HN470S	218-686
100	25.0	12.5	5.0	0.6	ECEA1HN101S	218-698

CAP133

Order Multiple=5

µF	Order Code	Price Each				
		5+	50+	100+	250+	1000+
1.0	218-637					
2.2	218-649					
4.7	218-650					
10	218-662					
22	218-674					
47	218-686					
100	218-698					

Aluminium Electrolytic – PCB Mounting

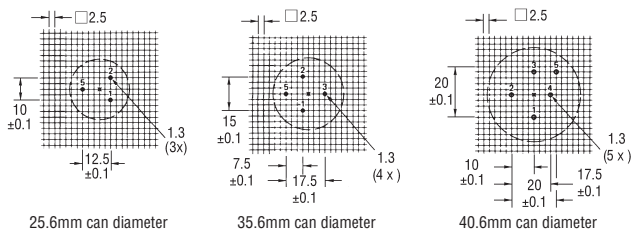
2222 051, 053 Series – 85°C High Capacitance



Formerly 051, 053 Series



- Long life, high capacitance aluminium electrolytic
- PCB Mounting
- Low ESR and ESL
- Printed wire terminals marked 1 for positive and 5 for negative



Operating temperature	-40°C to +85°C	Climatic category (IEC68)	40/85/56
Tolerance	±20%	DC leakage current	0.006CV + 4µA
Basic specification	IEC60384, long life grade	Useful life @ 85°C	12000 hrs
PCB footprint to	DIN 45910-T192		

µF	Ripple (A) @ 100Hz 85°C	Dimensions		Mfrs. List No.	Order Code
		H	Dia.		
16 Volt d.c.					
10000	4.0	40	25	2222 051 55103	334-7916
22000	5.5	40	35	2222 051 55223	334-7928
47000	7.0	50	40	2222 051 55473	334-7930
10000	12.0	100	40	2222 051 55104	334-7941
40 Volt d.c.					
4700	3.8	40	25	2222 051 57472	106-801
10000	5.2	40	35	2222 051 57103	106-802
22000	5.5	50	40	2222 051 57223	334-7953
47000	10.4	100	40	2222 051 57473	334-7965
63 Volt d.c.					
2200	2.5	30	25	2222 051 58222	106-803
4700	4.1	40	30	2222 051 58472	334-7977
10000	5.4	50	35	2222 051 58103	106-804
22000	10.0	100	40	2222 051 58223	106-805
200 Volt d.c.					
220	0.94	40	25	2222 051 52221	334-7989
470	1.66	40	35	2222 051 52471	334-7990
1000	2.86	50	40	2222 051 52102	334-8003
2200	5.20	100	40	2222 053 52222	106-809
400 Volt d.c.					
100	0.73	40	25	2222 051 56101	334-8015
220	1.28	40	35	2222 051 56221	334-8027
470	2.12	50	40	2222 051 56471	334-8039
1000	4.05	100	40	2222 051 56102	334-8040

CAP99

µF	Order Code	Price Each		
		1+	50+	100+
16 Volt d.c.				
10000	NEW 334-7916			
22000	NEW 334-7928			
47000	NEW 334-7930			
10000	NEW 334-7941			
40 Volt d.c.				
4700	106-801			
10000	106-802			
22000	NEW 334-7953			
47000	NEW 334-7965			

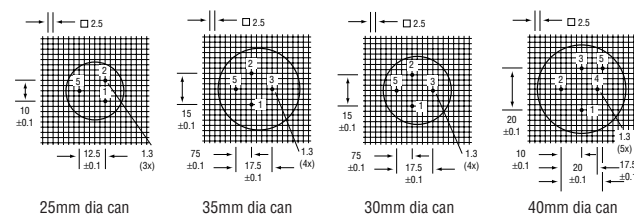
µF	Order Code	Price Each		
		1+	50+	100+
63 Volt d.c.				
2200	106-803			
4700	NEW 334-7977			
10000	106-804			
22000	106-805			
200 Volt d.c.				
220	NEW 334-7989			
470	NEW 334-7990			
1000	NEW 334-8003			
2200	106-809			
400 Volt d.c.				
100	NEW 334-8015			
220	NEW 334-8027			
470	NEW 334-8039			
1000	NEW 334-8040			

ALP 22 Series – Long Life (PCB Mounting)



BHC Aerovox LTD.

- Long life grade PCB mounting electrolytic capacitor
- PCB mounting, low ESR and low impedance
- Printed wire terminals marked 1 for positive and 5 for negative



Operating temperature	-40°C to +85°C	DC leakage current	0.006 CV + 4µA
Tolerance	±20%	Operating life @ 85°C	Life is dependent on case size: Dia.
PCB footprint to	DIN 41238		25 12000hrs
			30 15000hrs
			35 18000hrs
			40 26000hrs

µF	Ripple (A) @ 100Hz 85°C	Ripple (A) @ 10kHz 85°C	ESR max. mΩ @ 20°C 100Hz	Dimensions		Mfrs. List No.	Order Code
				H	Dia.		
16 Volt d.c.							
10000	3.3	3.53	54	45	25	ALP22A103AB016	535-990
47000	6.29	6.73	31	55	40	ALP22A473DD016	536-003
40 Volt d.c.							
4700	3.21	4.46	57	45	25	ALP22A472AB040	536-015
10000	4.23	5.88	50	45	35	ALP22A103CB040	536-027
22000	5.6	7.78	39	55	40	ALP22A223DD040	536-339
63 Volt d.c.							
4700	3.65	5.07	55	45	30	ALP22A472BB063	536-040
10000	4.97	6.91	42	55	35	ALP22A103CD063	536-052
15000	7.19	9.99	30	75	40	ALP22A153DE063	536-064
200 Volt d.c.							
220	1.43	2.7	289	45	25	ALP22A221AB200	536-076
680	3.34	6.31	140	45	40	ALP22A681DB200	536-088
1000	4.19	7.92	104	55	40	ALP22A102DD200	536-090
2200	7.95	15.02	48	105	40	ALP22A222DF200	536-106
385 Volt d.c.							
100	0.67	1.26	1301	45	25	ALP22A101AB385	536-118
470	2.37	4.48	324	55	40	ALP22A471DD385	536-120
1000	4.49	8.48	151	105	40	ALP22A102DF385	536-131

CAP159

µF	Order Code	Price Each			
		1+	10+	50+	100+
16 Volt d.c.					
10000	535-990				
47000	536-003				
40 Volt d.c.					
4700	536-015				
10000	536-027				
22000	536-039				
63 Volt d.c.					
4700	536-040				
10000	536-052				
15000	536-064				
200 Volt d.c.					
220	536-076				
680	536-088				
1000	536-090				
2200	536-106				
385 Volt d.c.					
100	536-118				
470	536-120				
1000	536-131				