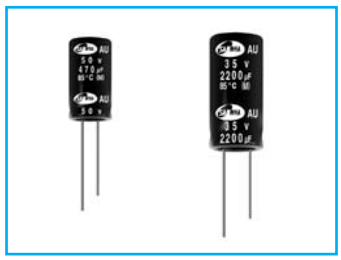
MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

AU For Audio Products Series

For Audio Use Solvent Proof



- Low distortion
- Very low leakage current
- Suited for general audio products
- Load life of 2000 hours at 85℃

Item	Characteristics
Operating temperature range	-40 ~ +85℃
Leakage current max.	I = 0.002CV or 0.4㎂ whichever is greater (after 2 minutes)
Capacitance tolerance	±20% at 120Hz, 20℃
Dissipation factor max. (at 120Hz, 20℃)	Capacitance > 1000㎌ : tanδ increases by 0.02 for each 1000㎌ from below value.

WV	6.3	10	16	25	35	50	63	100
tanδ	0.18	0.16	0.14	0.12	0.10	0.08	0.08	0.07

Low temperature characteristics (Impedance ratio at 120Hz)

WV	6.3	10	16	25	35	50	63	100
Z-25℃/Z+20℃	3	2	2	2	2	2	2	2
Z-40℃/Z+20℃	6	4	4	4	3	3	3	3

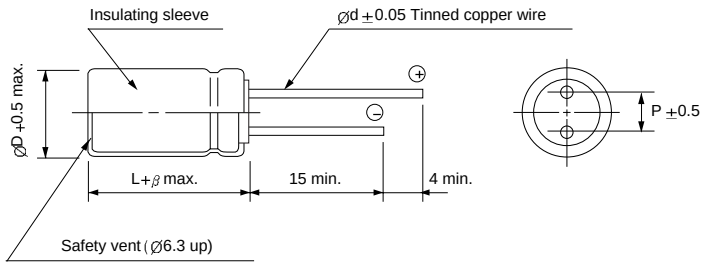
Load life (after application of the rated voltage for 2000 hours at 85℃)

Leakage current	Less than specified value
Capacitance change	Within ±15% of initial value
tanδ	Less than 150% of specified value

Shelf life (at 85℃)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value.

DRAWING

Unit : mm



ØD	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Ød	0.6	0.6	0.6	0.8	0.8	0.8	0.8
β	1.0			2.0			

PERMISSIBLE RIPPLE CURRENT MULTIPLIERS

㎌ \ Frequency	50Hz	120Hz	300Hz	1kHz	10kHz~
~ 47	0.75	1	1.35	1.55	2.0
68 ~ 680	0.80	1	1.25	1.34	1.5
1000 ~	0.85	1	1.10	1.13	1.15

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AU series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV / μF	6.3	10	16	25	35	50	63	100
0.1						5 ×11 6.8	5 ×11 6.8	5 ×11 7.2
0.15						5 ×11 8.3	5 ×11 8.3	5 ×11 8.9
0.22						5 ×11 10	5 ×11 10	5 ×11 11
0.33						5 ×11 12	5 ×11 12	5 ×11 13
0.47						5 ×11 15	5 ×11 15	5 ×11 16
0.68						5 ×11 18	5 ×11 18	5 ×11 19
1.0						5 ×11 21	5 ×11 21	5 ×11 23
1.5						5 ×11 26	5 ×11 26	5 ×11 28
2.2						5 ×11 32	5 ×11 32	6.3 ×11 39
3.3						5 ×11 39	5 ×11 39	6.3 ×11 48
4.7					5 ×11 42	6.3 ×11 53	6.3 ×11 53	8 ×11.5 67
6.8					5 ×11 50	6.3 ×11 64	6.3 ×11 64	8 ×11.5 81
10			5 ×11 51	6.3 ×11 64	6.3 ×11 70	8 ×11.5 92	8 ×11.5 92	10 ×12.5 114
15			5 ×11 63	6.3 ×11 78	8 ×11.5 101	8 ×11.5 113	10 ×12.5 131	10 ×16 153
22		5 ×11 71	6.3 ×11 87	8 ×11.5 111	8 ×11.5 122	10 ×12.5 158	10 ×16 173	10 ×20 202
33	5 ×11 82	6.3 ×11 100	6.3 ×11 107	8 ×11.5 136	10 ×12.5 173	10 ×16 212	10 ×16 212	12.5 ×20 291
47	6.3 ×11 113	6.3 ×11 119	8 ×11.5 151	10 ×12.5 189	10 ×12.5 207	10 ×16 254	10 ×20 277	12.5 ×25 379
68	6.3 ×11 135	6.3 ×11 144	8 ×11.5 181	10 ×12.5 227	10 ×16 273	10 ×20 333	10 ×20 333	12.5 ×25 455
100	8 ×11.5 194	8 ×11.5 205	10 ×12.5 255	10 ×16 302	10 ×20 361	12.5 ×20 474	12.5 ×25 516	16 ×25 613
150	8 ×11.5 237	10 ×12.5 292	10 ×16 342	10 ×20 404	12.5 ×20 519	12.5 ×25 633	12.5 ×25 633	16 ×31.5 821
220	10 ×12.5 334	10 ×16 388	10 ×20 452	12.5 ×20 574	12.5 ×25 685	16 ×25 850	16 ×31.5 930	16 ×35.5 1043
330	10 ×16 448	10 ×20 518	12.5 ×20 651	12.5 ×25 766	16 ×25 931	16 ×31.5 1139	16 ×35.5 1195	18 ×40 1438
470	10 ×20 583	12.5 ×20 726	12.5 ×20 776	16 ×25 1014	16 ×25 1111	16 ×35.5 1426	18 ×35.5 1530	
680	12.5 ×20 824	12.5 ×20 873	12.5 ×25 1018	16 ×31.5 1335	16 ×31.5 1462	16 ×35.5 1715	18 ×35.5 1840	
1000	12.5 ×25 1089	12.5 ×25 1155	16 ×25 1370	16 ×35.5 1699	16 ×35.5 1861	18 ×40 2342		
1500	12.5 ×25 1265	16 ×25 1479	16 ×31.5 1717	16 ×35.5 1926	18 ×40 2342			
2200	16 ×25 1621	16 ×31.5 1860	18 ×35.5 2207	18 ×40 2456	← Case size ØD ×L (mm) ← Ripple current (mA rms) at 85°C, 120Hz			
3300	16 ×35.5 2182	16 ×35.5 2279	18 ×40 2691					
4700	18 ×35.5 2684	18 ×40 2931						