imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS FOR AUDIO

GREEN CAP **Miniature Bipolar Capacitors for Audio**

• The newly developed audio use foil and special electrolyte makes clear and far-carrying sound a reality.

• All lead wires are copper clad steel.



For Audio



Marking color : Gold print on a black sleeve

Specifications

opeemeations														
Item	Performance													
Category temperature range (°C)	-40 to +85													
Tolerance at rated capacitance (%)	±20 (20°C,120Hz													
Leakage current (µA)	Less than 0.03CV + 3 (after 5 minutes) C : Rated capacitance (μF); V : Rated voltage (V) (20%													
Tangent of loss angle	Rated v	6.3	10	16	25	35	50	63	100					
	tanδ	(max.)	0.24	0.20	0.16	0.15	0.14	0.12	0.10	0.09				
(tanδ)	0.02 is added to every 10	0.02 is added to every 1000µF increase over 1000µF. (20°C,120H												
	Rated v	Rated voltage (V)				25	35	50	63	100				
Characteristics at high	Impedance ratio	Z-25°C/Z+20°C	4	3	2	2	2	2	2	2				
and low temperature	(max.)	Z-40°C/Z+20°C	10	8	6	4	3	3	3	3				
	$0.5 \text{ for } -25^{\circ}\text{C}, 1 \text{ for } -40^{\circ}\text{C}$ are added to every $1000\mu\text{F}$ increase over $1000\mu\text{F}$. (120H													
	Test	time			2000 ho	urs (with the	polarity inve	erted every 2	50 hours)					
Endurance (85°C)	Leakage	Leakage current			The initial specified value or less									
(Applied ripple current)	Percentage of ca	Within ±20% of initial value												
	Tangent of t	he loss angle	150% or less of the initial specified value											
Applicable standards	JIS C5101-1, -4 1998 (IEC 60384-1 1992, -4 1985)													

Outline Drawing



Case symbol

Case	Casing	Case	Casing	Case	Casing	Case	Casing
φD×L (mm)	Symbol						
5×11	E3	10×12.5	H3	12.5×20	I5	16×31.5	J7
6.3×11	F3	10×16	H4	12.5×25	I6	18×35.5	K8
8×11.5	G3	10×20	H5	16×25	J6	_	_

Standard Ratings

\sim	Rated volta	ge (V)	6	.3	1	0	1	6	2	25	3	35	5	0	6	3	1	00
Rated	$\overline{}$	Item	Case	Rated ripple current														
capacita	nce (µF)		¢D×L (mm)		φD×L (mm)	(mArms)	φD×L (mm)		φD×L (mm)		φD×L (mm)	(mArms)						
	1		-	-	-	-	-	-	-	-	-	-	5×11	14	-	-	5×11	16
	2.2		-	_	-	-	_	-	-	-	-	_	5×11	21	5×11	23	5×11	24
	3.3		-	_	-	_	-	-	-	-	-	-	5×11	26	5×11	28	6.3×11	34
	4.7		-	-	-	-	-	-	5×11	28	5×11	28	5×11	31	5×11	34	6.3×11	41
	10		-	-	-	-	5×11	39	5×11	40	5×11	42	5×11	45	6.3×11	57	8×11.5	70
	22		-	_	5×11	52	5×11	58	5×11	60	6.3×11	71	6.3×11	77	8×11.5	89	10×16	136
	33		5×11	58	5×11	63	5×11	71	6.3×11	84	6.3×11	87	8×11.5	111	10×12.5	144	10×20	181
	47		5×11	69	5×11	75	6.3×11	97	6.3×11	100	8×11.5	122	10×12.5	157	10×16	188	12.5×20	248
	100		6.3×11	115	6.3×11	126	8×11.5	167	10×12.5	204	10×12.5	212	10×20	273	12.5×20	343	16×25	458
	220		8×11.5	202	8×11.5	221	10×12.5	294	10×16	332	10×20	375	12.5×25	506	16×25	645	18×35.5	837
	330		8×11.5	247	10×12.5	322	10×16	394	10×20	444	12.5×20	526	12.5×25	620	-	-	-	-
	470		10×12.5	350	10×16	420	10×20	513	12.5×20	607	12.5×25	685	16×25	861	-	-	-	-
	1000		10×20	611	12.5×20	767	12.5×25	935	16×25	1120	16×31.5	1270	-	-	-	-	-	-
2	2200		12.5×25	1090	16×25	1380	16×31.5	1660	-	-	-	-	-	-	-	-	-	-
:	3300		16×25	1490	16×31.5	1760	—	-	_	-	-	-	-	_	-	-	-	-
4	4700		16×31.5	1880	18×35.5	2280	—	_	-	—	—	—	-	_	_	_	-	—

(Note) Rated ripple current : 85°C, 120Hz

Coefficient of Frequency for Rated Ripple Current

Frequency (Hz) Rated voltage (V)	50·60	120	1k	10k•100k
6.3 to 16	0.8	1	1.1	1.2
25 to 35	0.8	1	1.5	1.7
50 to 100	0.8	1	1.6	1.9

Part numbering system (example : 10V1000µF)									
RBD — 10			102	М	I5	#	_		
Series code	Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping (Forming) symbol	

