ALUMINUM ELECTROLYTIC CAPACITORS





Bi-Polarized, For Audio Equipment











- Suited for audio signal circuits.
- Adapted to the RoHS directive (2002/95/EC).

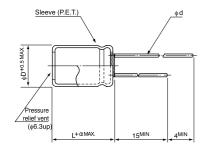




■Specifications

Item	Performance Characteristics								
Category Temperature Range	−40 ~ +85°C								
Rated Voltage Range	6.3 ~ 50V								
Rated Capacitance Range	0.47 ~ 1000μF								
Capacitance Tolerance	±20% at 120Hz, 20°C								
Leakage Current	After 1 minute's application of rated voltage, leakage current is not more than 0.03CV or 3 (µA), whichever is greater.								
	Measurement frequency: 120Hz, Temperature: 20°C								
tan δ	Rated voltage (V) 6.3	10	16		25	35	50		
	tan δ (MAX.) 0.24	0.20	0.16		0.16	0.14	0.12		
						Measuremer	t frequency : 120Hz		
	Rated voltage (V)	6.3	10	16	25	35	50		
Stability at Low Temperature	Impedance ratio Z-25°C / Z+20°	C 4	3	2	2	2	2		
	ZT / Z20 (MAX.) Z-40°C / Z+20°	C 8	6	4	4	4	4		
Endurance	After 1000 hours' application of rated voltage at 85°C Capacitance change Within ±20% of initial value								
	with the polarity inverted every 250 h	tan δ		150% or less of initial specified value					
	meet the characteristics requirement	Leakage current Initial specif		fied value or less					
Shelf Life	After storing the capacitors under no load at 85°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.								
Marking	Printed with black color letter on clear green sleeve.								

■Radial Lead Type



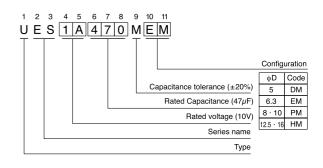
• Please refer to page 21 about the end seal



						(mm)
φD	5	6.3	8	10	12.5	16
Р	2.0	2.5	3.5	5.0	5.0	7.5
φd	0.6	0.6	0.6	0.6	0.8	0.8

(φD < 10) 1.0 (φD ≥ 10) 1.5

Type numbering system (Example: 10V 47µF)



Dimensions

configulation.

 $\phi D \times L \text{ (mm)}$

	V	6.3	10	16	25	35	50
Cap.(µF)	Code	0J	1A	1C	1E	1V	1H
0.47	R47						5×11
1	010						5×11
2.2	2R2						5×11
3.3	3R3						5×11
4.7	4R7				5×11	5×11	6.3×11
10	100			5×11	5×11	6.3×11	8×11.5
22	220		5×11	6.3×11	6.3×11	8×11.5	10×12.5
33	330	5×11	6.3×11	6.3×11	8×11.5	10×12.5	10×16
47	470	6.3×11	6.3×11	8×11.5	10×12.5	10×12.5	10×20
100	101	8×11.5	10×12.5	10×12.5	10×16	10×20	12.5×25
220	221	10×12.5	10×16	10×20	12.5×25	12.5×25	16×25
330	331	10×16	10×20	12.5×20	12.5×25	16×25	16×31.5
470	471	10×20	12.5×20	12.5×25	16×25	16×25	
1000	102	12.5×25	16×25	16×25	16×31.5		