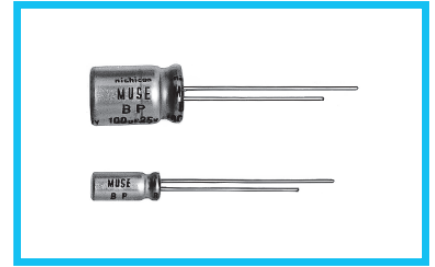


ALUMINUM ELECTROLYTIC CAPACITORS



- Bi-polarized “nichicon MUSE” acoustic series.
- Suited for audio signal circuits.
- Compliant to the RoHS directive (2011/65/EU).

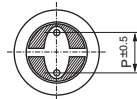
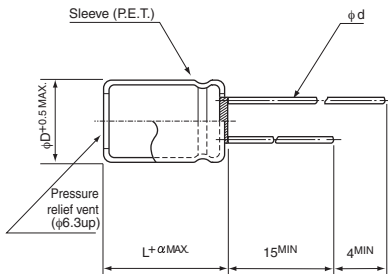
Values marked with an ※ in the dimension table are scheduled to be discontinued and are not recommended for new designs.



Specifications

Item	Performance Characteristics							
Category Temperature Range	-40 to +85°C							
Rated Voltage Range	6.3 to 50V							
Rated Capacitance Range	0.47 to 1000μF							
Capacitance Tolerance	±20% at 120Hz, 20°C							
Leakage Current	After 1 minute's application of rated voltage at 20°C, leakage current is not more than 0.03CV or 3 (μA), whichever is greater.							
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C							
	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	
Stability at Low Temperature	Measurement frequency : 120Hz							
	Rated voltage (V)		6.3	10	16	25	35	50
	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	
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 85°C with the polarity inverted every 250 hours.							
	Capacitance change	Within ±20% of the initial capacitance value						
	tan δ	150% or less than the initial specified value						
	Leakage current	Less than or equal to the initial specified value						
Shelf Life	After storing the capacitors under no load at 85°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.							
Marking	Printed with black color letter on clear green sleeve.							

Radial Lead Type



	(mm)					
φD	5	6.3	8	10	12.5	16
P	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

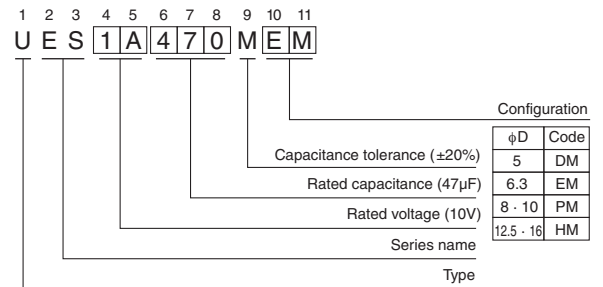
α	(φD < 10)	1.0
	(φD ≥ 10)	1.5

- Please refer to page 20 about the end seal configuration.

Dimensions

		φD × L (mm)						
Cap.(μF)	V	6.3	10	16	25	35	50	
	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						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			

Type numbering system (Example : 10V 47μF)



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