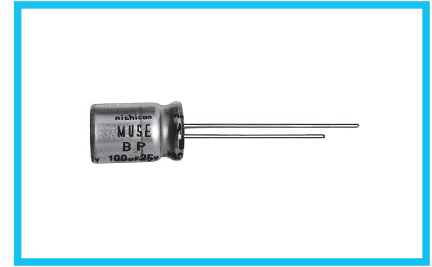




Bi-Polarized, For Audio Equipment



- Bi-polarized “nichicon MUSE” acoustic series.
- Suited for audio signal circuits.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).

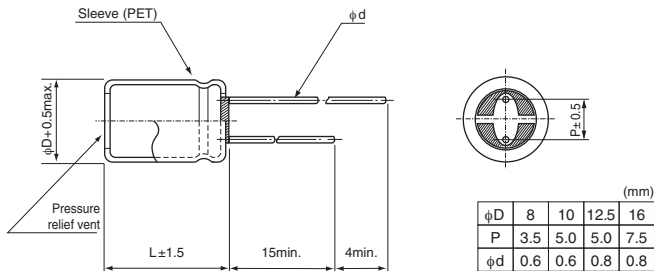


Specifications

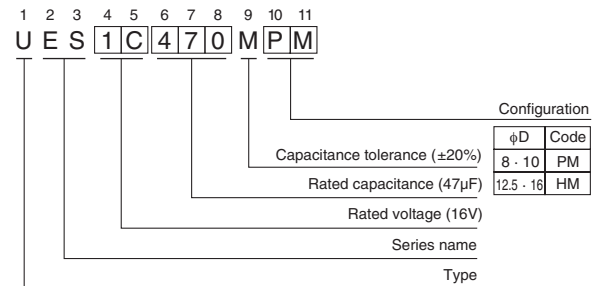
Item	Performance Characteristics						
Category Temperature Range	-40 to +85°C						
Rated Voltage Range	16 to 50V						
Rated Capacitance Range	10 to 1000μF						
Capacitance Tolerance	±20% at 120Hz, 20°C						
Leakage Current ※	After 1 minute's application of rated voltage at 20°C, leakage current is not more than 0.03CV (μA).						
Tangent of loss angle (tan δ)	Rated voltage (V)	16	25	35	50	Measurement frequency : 120Hz at 20°C	
	tan δ (max.)	0.16	0.16	0.14	0.12		
Stability at Low Temperature	Rated voltage (V)		16	25	35	50	Measurement frequency : 120Hz
	Impedance ratio (max.)	Z(-25°C) / Z(+20°C)	2	2	2	2	
		Z(-40°C) / Z(+20°C)	4	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.						

※ I : Leakage Current (μA), C : Rated Capacitance (μF), V : Rated Voltage (V)

Radial Lead Type



Type numbering system (Example : 16V 47μF)



- Please refer to the Guidelines for Aluminum Electrolytic Capacitors for end seal configuration information.

UES

■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μ F)	Case Size ϕ D \times L (mm)	$\tan \delta$	Leakage Current (μ A) (at 20°C after 1 minute)	Part Number
16 (1C)	47	8 \times 11.5	0.16	22.56	UES1C470MPM
	100	10 \times 12.5	0.16	48	UES1C101MPM
	220	10 \times 20	0.16	105.6	UES1C221MPM
	330	12.5 \times 20	0.16	158.4	UES1C331MHM
	470	12.5 \times 25	0.16	225.6	UES1C471MHM
	1000	16 \times 25	0.16	480	UES1C102MHM
25 (1E)	33	8 \times 11.5	0.16	24.75	UES1E330MPM
	47	10 \times 12.5	0.16	35.25	UES1E470MPM
	100	10 \times 16	0.16	75	UES1E101MPM
	220	12.5 \times 25	0.16	165	UES1E221MHM
	330	12.5 \times 25	0.16	247.5	UES1E331MHM
	470	16 \times 25	0.16	352.5	UES1E471MHM
	1000	16 \times 30.5	0.16	750	UES1E102MHM
35 (1V)	22	8 \times 11.5	0.14	23.1	UES1V220MPM
	33	10 \times 12.5	0.14	34.65	UES1V330MPM
	47	10 \times 12.5	0.14	49.35	UES1V470MPM
	100	10 \times 20	0.14	105	UES1V101MPM
	220	12.5 \times 25	0.14	231	UES1V221MHM
	330	16 \times 25	0.14	346.5	UES1V331MHM
	470	16 \times 25	0.14	493.5	UES1V471MHM
50 (1H)	10	8 \times 11.5	0.12	15	UES1H100MPM
	22	10 \times 12.5	0.12	33	UES1H220MPM
	33	10 \times 16	0.12	49.5	UES1H330MPM
	47	10 \times 20	0.12	70.5	UES1H470MPM
	100	12.5 \times 25	0.12	150	UES1H101MHM
	220	16 \times 25	0.12	330	UES1H221MHM
	330	16 \times 30.5	0.12	495	UES1H331MHM

For cut leads, formed leads or taped parts, please add the appropriate code after the size code (12th digit).
If there is no size code in the part number, please add size code "1" and then add the appropriate code.

- For formed lead or taped product specifications and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.