



5mmL, For General Audio Equipment

series



For Audio Use

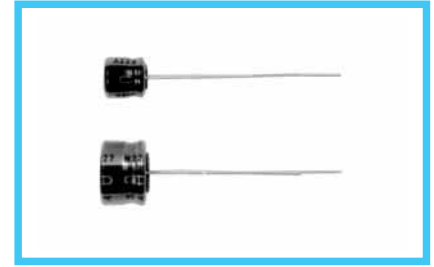
Anti-Solvent
Feature

- Acoustic series, with 5mm height.
- Adapted to the RoHS directive (2002/95/EC).

SW

Smaller

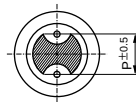
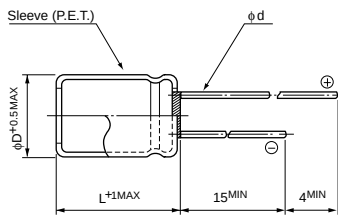
MW



Specifications

Item	Performance Characteristics								
Category Temperature Range	-40 ~ +85°C								
Rated Voltage Range	4 ~ 50V								
Rated Capacitance Range	0.1 ~ 470μF								
Capacitance Tolerance	±20% at 120Hz, 20°C								
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3 (μA) ,whichever is greater.								
tan δ	Measurement frequency : 120Hz, Temperature : 20°C								
	Rated voltage (V)	4	6.3	10	16	25	35	50	
	tan δ (MAX.)	0.35	0.24	0.20	0.16	0.14	0.12	0.10	
Stability at Low Temperature	Measurement frequency : 120Hz								
	Rated voltage (V)		4	6.3	10	16	25	35	50
	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z+20°C	7	4	3	2	2	2	2
		Z-40°C / Z+20°C	15	8	6	4	4	3	3
Endurance	After 1000 hours' application of rated voltage at 85°C, capacitors meet the characteristics requirement listed at right.				Capacitance change		Within ±20% of initial value		
					tan δ		200% or less of initial specified value		
					Leakage current		Initial specified value or less		
Shelf Life	After leaving capacitors under no load at 85°C for 1000 hours, they meet the specified value for endurance characteristics listed above.								
Marking	Printed with black color letter on gold sleeve.								

Radial Lead Type



	(mm)			
φD	4	5	6.3	8
P	1.5	2.0	2.5	2.5
φd	0.45	0.45	0.45	0.45

Type numbering system (Example : 25V 10μF)

1	2	3	4	5	6	7	8	9	10	11
U	M	W	1	E	1	0	0	M	D	D
Configuration※										
Capacitance tolerance (±20%)										
Rated Capacitance (10μF)										
Rated voltage (25V)										
Series name										
Type										
※ Configuration										
φ D		Pb-free leadwire Pb-free PET sleeve								
4 ~ 8		DD								

Dimensions

φD × L (mm)

v		4	6.3	10	16	25	35	50		
Cap. (μF)	code	0G	0J	1A	1C	1E	1V	1H		
0.1	0R1								4 × 5	1.0
0.22	R22								4 × 5	2.0
0.33	R33								4 × 5	2.8
0.47	R47								4 × 5	4.0
1	010								4 × 5	8.4
2.2	2R2								4 × 5	13
3.3	3R3								4 × 5	17
4.7	4R7								4 × 5	20
10	100								4 × 5	33
22	220		4 × 5	28	5 × 5	33	5 × 5	37	6.3 × 5	42
33	330	4 × 5	28	5 × 5	37	5 × 5	41	6.3 × 5	49	6.3 × 5
47	470	4 × 5	33	5 × 5	45	6.3 × 5	52	6.3 × 5	58	8 × 5
100	101	5 × 5	56	6.3 × 5	70	8 × 5	80	8 × 5	92	8 × 5
220	221	6.3 × 5	96	8 × 5	110	8 × 5	135			
330	331	8 × 5	145	8 × 5	170					
470	471	8 × 5	185							
									Rated	
									Case size	ripple

Rated Ripple (mA rms) at 85°C 120Hz

Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz ~
Coefficient	0.70	1.00	1.17	1.36	1.50

Please refer to page 21, 22, 23 about the formed or taped product spec.
Please refer to page 3 for the minimum order quantity.