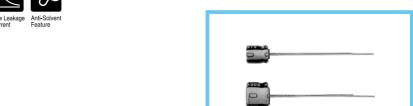


5mmL, Low Leakage Current

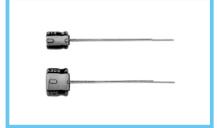


- Low leakage current series with 5mm height.
- Adapted to the RoHS directive (2002/95/EC).

Products which are scheduled to discontinue. Not recommended for new designs



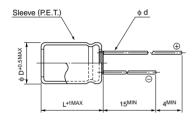




## ■Specifications

Item	Performance Characteristics												
Category Temperature Range	-40 to +85°C												
Rated Voltage Range	4 to 50V												
Rated Capacitance Range	0.1 to 100μF												
Rated Capacitance Tolerance	±20% at 120Hz, 2	±20% at 120Hz, 20°C											
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.002CV or 0.4 (µA), whichever is greater.								never is greater.				
	Measurement frequency : 120Hz, Temperature : 20°C										С		
tan δ	Rated voltage (V)	4	6.	3	10		16	2	25	3	5	50	
	tan δ (MAX.)	0.35	0.2	24	0.20	)	0.16	0.	.14 0.12		12	0.10	
	Measurement frequency: 120Hz												
	Rated voltage (V)			4		.3	10	16	2	25 35		50	
Stability at Low Temperature	Impedance ratio	Z-25°C / Z+20°C		7	4		3	2	2 2		2		
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C		15	5 10		8	6		4	3	3	
	After 1000 hours' application of rated voltage at 85°C, capacitors meet the characteristic					Capacitance change				Within ±20% of initial value			
Endurance						tan δ				200% or less of initial specified value			
	requirements listed at right.  Leakage current Initial specified 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 white color letter on black sleeve.												

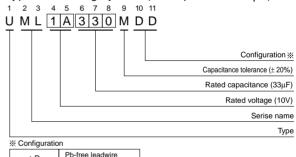
## ■Radial Lead Type





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

# Type numbering system (Example : $10V 33\mu F$ )



* Configuration								
φD	Pb-free leadwire Pb-free PET sleeve							
4 to 6.3	DD							

#### ■ Dimensions

	V	4		6.3		10		16		25		35		50	
Cap.(μF) Code		0G		0J		1A		1C		1E		1V		1H	
0.1	0R1						ļ						1	4×5	1.0
0.22	R22				i						i			4×5	2.0
0.33	R33				!								-	4×5	2.8
0.47	R47		i										i	4×5	4.0
1	010		!		!		!				!		!	4×5	8.4
2.2	2R2													4×5	13
3.3	3R3		i i		i i		i I		1		İ		İ	5×5	17
4.7	4R7								-	4×5	16	4×5	18	5×5	20
10	100		i		i		İ	4×5	23	5×5	27	5×5	29	6.3×5	33
22	220			4×5	28	5×5	33	5×5	37	6.3×5	42	6.3×5	46		$\Box$
33	330	5×5	28	5×5	37	5×5	41	6.3×5	49	6.3×5	52		i		
47	470	5×5	33	5×5	45	6.3×5	52	6.3×5	58		-		1	Case size	Rated
100	101	6.3×5	56	6.3×5	70		i I		1		i		1	φD×L (mm)	Rated ripple

Rated Ripple (mArms) at 85°C 120Hz

### Frequency coefficient of rated ripple current

- 1 7					
Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more
Coefficient	0.70	1.00	1.17	1.36	1.50

Please refer to page 20, 21, 22 about the formed or taped product spec. Please refer to page 4 for the minimum order quantity.