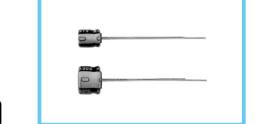




- Low leakage current series with 5mm height.
- Adapted to the RoHS directive (2002/95/EC).

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





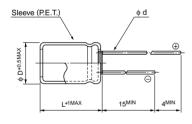
### ■Specifications

Item	Performance Characteristics													
Category Temperature Range	-40 to +85°C													
Rated Voltage Range	4 to 50V													
Rated Capacitance Range	0.1 to 100μF ±20% at 120Hz, 20°C													
Rated Capacitance Tolerance														
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.002CV or 0.4 (µA), whichever is greater.													
tan δ	Measurement frequency: 120Hz, Temperature: 20°C													
	Rated voltage (V)	4	6.	.3	10		16	2	25	35		50		
	tan δ (MAX.)	0.35	0.24		0.20		0.16	0.	14	0.12	2	0.10	]	
	Measurement frequency: 120Hz													
O. 1377	Rated voltage (V)			4	6.3	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	10	0	8	6		4	3	3		
Endurance	After 1000 hours application of rated valence													
	After 1000 hours' application of rated voltage at 85°C, capacitors meet the characteristic				_	Capacitance change tan δ			Within ±20% of initial value  200% or less of initial specified value					
	requirements listed at right.				_	Leakage current			Initial specified value or less					
	requirements used at right.					Leakage current milital specified value of 1033								
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

■ Dimensions

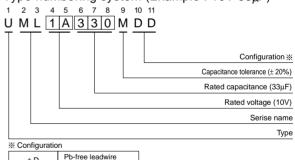
100





		_	(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 $33\mu F$ )



# φ d | 0.45 | 0.45 | 0.45 | 0.45 | φ D | Pb-free leadwire Pb-free PET sleeve 4 to 6.3 | DD

### 10 16 50 6.3 25 35 Cap.(µF) Code 0G 0J 1A 1C 1E 1V 1H 0.1 0R1 4×5 1.0 0.22 R22 $4 \times 5$ 2.0 0.33 R33 $4{\times}5$ 2.8 0.47 R47 4×5 4.0 010 4×5 8.4 2.2 2R2 $4 \times 5$ 13 3.3 5×5 3R3 17 4.7 4R7 4×5 16 4×5 18 5×5 20 10 100 4×5 23 5×5 27 5×5 29 6.3×5 33 22 220 $4 \times 5$ 28 5×5 33 5×5 37 $6.3 \times 5$ 42 $6.3 \times 5$ 46 33 49 330 5×5 28 37 5×5 41 $6.3 \times 5$ 6.3×5 52 5×5 47 470 33 45 6.3×5 52 6.3×5 58 5×5 $5 \times 5$ Case size

### Rated Ripple (mArms) at 85°C 120Hz

### Frequency coefficient of rated ripple current

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

6.3×5

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

φD×L (mm) ripple