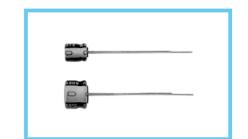




- Low leakage current series with 5mm height.
- Adapted to the RoHS directive (2002/95/EC).

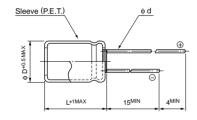




■Specifications

Item	Performance Characteristics													
Category Temperature Range	−40 ~ +85°C													
Rated Voltage Range	4 ~ 50V													
Rated Capacitance Range	0.1 ~ 100μF													
Rated Capacitance Tolerance	±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.													
	Measurement frequency: 120Hz, Temperature: 20°C											С		
tan δ	Rated voltage (V)	4	6.	.3	10	16		25		35	50			
	tan δ (MAX.)	0.35	0.2	24	0.20	0.1	6	0.14		0.12	0.10			
	Measurement frequency: 120Hz													
	Rated voltage (V)			4	6.3	10		16	25	35	50	7		
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-	Z-40°C / Z+20°C		10	8		6	4	3	3			
	After 4000 be used as a live time of each disable as													
Endurance	After 1000 hours' application of rated voltage					Capacitance change			Within ± 20% of initial value					
	at 85°C, capacitors meet the characteristic requirements listed at right.					tan δ			200% or less of initial specified value Initial specified value or less					
	requirements liste		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.													

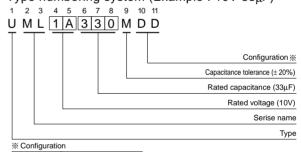
■Radial Lead Type





φ d 0.45 0.45 0.45

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



Configuration										
φD	Pb-free leadwire Pb-free PET sleeve									
4 ~ 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		-											4×5	1.0
0.22	R22				i						i		İ	4×5	2.0
0.33	R33				!		!						!	4×5	2.8
0.47	R47										i		i	4×5	4.0
1	010						ļ							4×5	8.4
2.2	2R2													4×5	13
3.3	3R3				i		İ		-		i		İ	5×5	17
4.7	4R7									4×5	16	4×5	18	5×5	20
10	100						i	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		
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		-		-	Case size	Rated
100	101	6.3×5	56	6.3×5	70		1		-		İ		1	φD×L (mm)	ripple

Rated Ripple (mArms) 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.