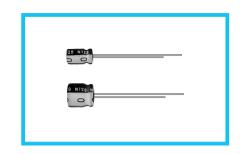




- Wide temperature range of −55 to +105°C, with 7mm height.
- Compliant to the RoHS directive (2011/65/EU).

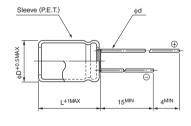




■Specifications

Item	Performance Characteristics									
Category Temperature Range	−55 to +105°C									
Rated Voltage Range	6.3 to 50V									
Rated Capacitance Range	0.1 to 220µF									
Capacitance Tolerance	±20% at 120Hz, 20°C									
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 (μA), whichever is greater.									
	Measurement frequency : 120Hz at 20°C									
Tangent of loss angle (tan δ)	Rated voltage (V) 6.3 1	0	16	25		35	50			
	tan δ (MAX.) 0.24 0.	21	0.18	0.15		0.13	0.12			
	Measurement frequency: 120 Hz									
OLIVIN TO THE T	Rated voltage (V)	6.3	10	16	25	35	50			
Stability at Low Temperature	Impedance ratio Z-25°C / Z+20°C	3	2	2	2	2	2			
	ZT / Z20 (MAX.) Z-40°C / Z+20°C	6	5	4	3	3	3			
Endurance	The specifications listed at right shall be the capacitors are restored to 20°C after voltage is applied for 1000 hours at 105°C.	the rated	tar	apacitance ch η δ akage curren		Within ±20% o 200% or less	f the initial capa than the initia	citance value (16Vor less) citance value (25Vor more) I specified value itial specified value		
Shelf Life		After storing the capacitors under no load at 105°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 white color letter on black sleeve.									

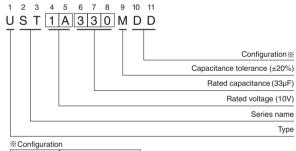
■ Radial Lead Type





				(mm)
φD	4	5	6.3	8
Р	1.5	2.0	2.5	3.5
φd	0.45	0.45	0.45	0.5

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



* Configuration						
φD	Pb-free leadwire Pb-free PET sleeve					
4 to 8	DD					

Dimensions

	V	6.3		10		16		25		35		50	
Cap.(μF)	Code	0J		1A		1C		1E		1V		1H	
0.1	0R1				i i		İ					4×7	1.0
0.22	R22				i I		i I				i	4×7	2.3
0.33	R33		l I		I I		I I		l		I I	4×7	3.5
0.47	R47											4×7	5.0
1	010		i		i		i				i	4×7	10
2.2	2R2		 		I I		I I				l I	4×7	19
3.3	3R3				!		!					4×7	24
4.7	4R7				i		i			4×7	24	5×7	29
10	100		l I		I I	4×7	¦ 29	5×7	33	5×7	¦ 36	6.3×7	44
22	220	4×7	34	5×7	38	5×7	44	6.3 × 7	51	6.3 × 7	57	8 × 7	65
33	330	5×7	42	5×7	47	6.3 × 7	57	6.3 × 7	63	8 × 7	72		
47	470	5×7	50	6.3 × 7	59	6.3 × 7	68	8×7	78		l I		
100	101	6.3 × 7	77	8×7	96	8×7	107					Case size	Rated
220	221	8×7	130	8 × 7	140		İ				İ	φD×L (mm)	Rated ripple

Rated ripple current 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

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