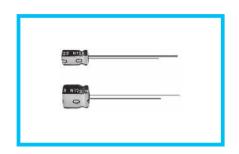
**UST** 

7mmL, Wide Temperature Range



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

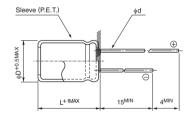




## ■Specifications

Item	Performance Characteristics										
Category Temperature Range	-55 to +105°C										
Rated Voltage Range	6.3 to 50V										
Rated Capacitance Range	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 $\delta$ )	Time Time (1)	10	16	25		35	50				
	tan δ (MAX.) 0.24 (	).21	0.18	0.15		0.13	0.12				
	Measurement frequency: 120 Hz										
Out till Towns of	Rated voltage (V)	6.3	10	16 2		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	tan	tan δ 200% c			25% of the initial capacitance value (16Vor less) 20% of the initial capacitance value (25Vor more) r less than the initial specified value an or equal to the initial 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.										

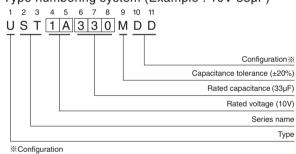
## ■Radial Lead Type





				(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 33μF)



 φ D
 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	
1	010										l	4×7	10
2.2	2R2				i						i I	4 × 7	19
3.3	3R3				 						 	4×7	24
4.7	4R7									4×7	24	5 × 7	29
10	100				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		i 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	$\phi D \times L (mm)$	ripple

• 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

Rated ripple current (mArms) at 105°C 120Hz

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