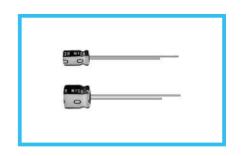
ST

7mmL, Wide Temperature Range series



- Wide temperature range of -55 to +105°C, with 7mm height.
- Compliant to the RoHS directive (2002/95/EC).

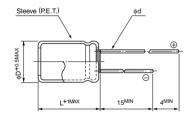




■Specifications

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, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.									
					Meas	ureme	nt frequency:	20Hz 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	4 0.2	21	0.18	0.15		0.13	0.12		
	Measurement frequency: 120 Hz									
Ot 1 777	Rated voltage (V)		6.3	10	16	25	35	50		
Stability at Low Temperature	Impedance ratio Z-25°	Z-25°C / Z+20°C		2	2	2	2	2		
	ZT / Z20 (MAX.) Z-40°	Z-40°C / Z+20°C		5	4	3	3	3]	
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 105°C.				Capacitance change Within ±25% of the initial capacitance value (16Vor less) Within ±20% of the initial capacitance value (25Vor more) tan δ 200% or less than the initial specified value Less than or equal to the initial specified value					
Shelf Life Marking	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. Printed with white color letter on black sleeve.									

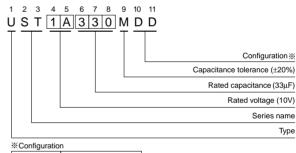
■Radial Lead Type





				(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											4×7	1.0
0.22	R22		i		i		İ				İ	4×7	2.3
0.33	R33						!					4×7	3.5
0.47	R47		i		i		i		i		i	4×7	5.0
1	010		!		!		ļ !					4×7	10
2.2	2R2		i				i		i		i	4×7	19
3.3	3R3		!		!		!		!			4×7	24
4.7	4R7		i		i					4×7	24	5×7	29
10	100		!		!	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				
100	101	6.3×7	77	8×7	96	8×7	107		İ			Case size	Rated
220	221	8×7	130	8×7	140							φD×L (mm)	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.