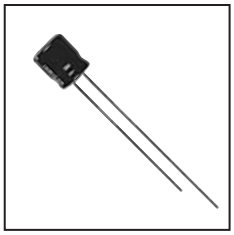
RADIAL TYPE

ST Series

5mmL 105°C, Wide Temperature Range

JAMICON®

• Wide temperature range series with 5mm height.

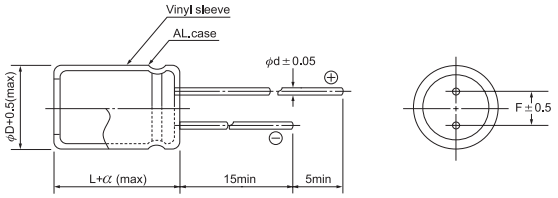


SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-55 ~ +105°C							
Rated Working Voltage	4 ~ 50VDC							
Capacitance Tolerance (120Hz 20°C)	±20%(M)							
Leakage Current (20°C)	I ≦0.01CV or 3 (μA) *Whichever is greater after 2 minutes					I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)		
Surge Voltage (20°C)	W.V.	4	6.3	10	16	25	35	50
	S.V.	5	8	13	20	32	44	63
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	4	6.3	10	16	25	35	50
	tan δ	0.37	0.28	0.24	0.20	0.16	0.13	0.12
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	4	6.3	10	16	25	35	50
	-25°C / +20°C	6	3	3	2	2	2	2
	-40°C / +20°C	12	8	5	4	3	3	3
Load Life	After 1000 hours application of W.V. and +105°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≦ rate working voltage)							
	Capacitance Change	≦±25% of initial value						
	Dissipation Factor	≦200% of initial specified value						
	Leakage current	≦initial specified value						
Shelf Life	At + 105°C no voltage application after 1000 hours the capacitor shall meet the limits for load life characteristics. (with voltage treatment)							

DIMENSIONS (mm)

φD	4	5	6.3
F	1.5	2.0	2.5
d	0.45	0.45	0.45
α	1.0	1.0	1.0



CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
Max ripple current : mA(rms) 105°C 120Hz

V(Code) / Item / Code / μF		4 (0G)		6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
		DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
0.1	0R1												→	4x5	2
0.22	R22												→	4x5	4
0.33	R33												→	4x5	4
0.47	R47												→	4x5	5
1.0	010												→	4x5	8
2.2	2R2										→	4x5	10	4x5	11
3.3	3R3										→	4x5	13	4x5	14
4.7	4R7								→	4x5	14	4x5	15	5x5	19
10	100						→	4x5	19	5x5	23	5x5	25	6.3x5	31
22	220	4x5	19	4x5	23	5x5	29	5x5	32	6.3x5	39	6.3x5	42		
33	330	5x5	26	5x5	32	5x5	35	6.3x5	45	6.3x5	48				
47	470	5x5	32	5x5	38	6.3x5	48	6.3x5	55						
100	101	6.3x5	55	6.3x5	65										

All blank voltage on sleeve marking is the same voltage as" → "point to.