

RADIAL TYPE

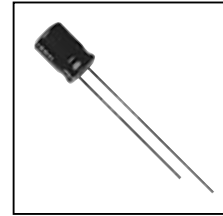
SH

Series

7mmL 105°C, Wide Temperature Range



- Wide temperature range series with 7mm height.

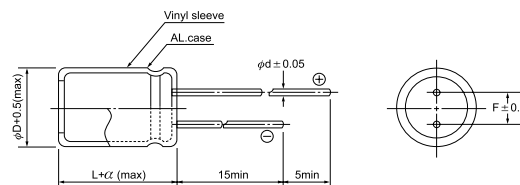


SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-55 ~ +105°C							
Rated Working Voltage	6.3 ~ 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.	6.3	10	16	25	35	50	
	S.V.	8	13	20	32	44	63	
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	6.3	10	16	25	35	50	
	tan δ	0.24	0.21	0.18	0.15	0.13	0.12	
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	6.3	10	16	25	35	50	
	-25°C / +20°C	3	2	2	2	2	2	
	-40°C / +20°C	6	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	8
F	1.5	2.0	2.5	3.5
d	0.45	0.45	0.45	0.50
α	1.0	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

μF	V(Code) Item Code	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.	
0.1	0R1											→	4x7	3
0.22	R22											→	4x7	5
0.33	R33											→	4x7	6
0.47	R47											→	4x7	7
1.0	010											→	4x7	11
2.2	2R2											→	4x7	19
3.3	3R3											→	4x7	24
4.7	4R7											→	4x7	29
10	100					→	4x7	29	5x7	33	5x7	36	6.3x7	45
22	220	4x7	34	5x7	41	5x7	46	6.3x7	51	6.3x7	60	8x7	75	
33	330	5x7	46	5x7	50	6.3x7	65	6.3x7	70	8x7	85			
47	470	5x7	55	6.3x7	70	6.3x7	75	8x7	95					
100	101	6.3x7	90	6.3x7	100	6.3x7	110							
220	221	8x7	160	8x7	170									

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