

RADIAL TYPE

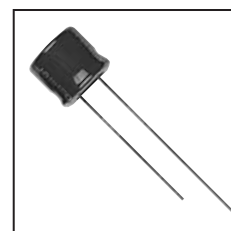
SL

Series

7mmL 105°C, Low Impedance

JAMICON®

- High ripple current, low impedance series with 7mm height.

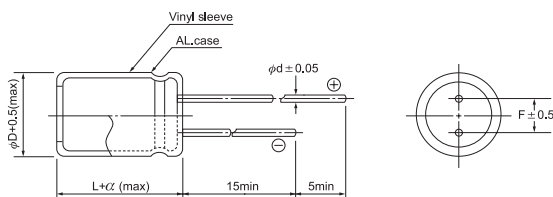


● SPECIFICATION

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)	$I \leq 0.01CV$ or $3 (\mu A)$				I : Leakage Current (μA)			
	*Whichever is greater after 3 minutes				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 ($\tan \delta$) (120Hz 20°C)	W.V.	6.3	10	16	25	35	50	
	$\tan \delta$	0.22	0.19	0.16	0.14	0.12	0.10	
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	6.3	10	16	25	35	50	
	-25°C / +20°C	3	3	3	2	2	2	
	-55°C / +20°C	6	6	6	4	4	4	
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 \leq rate working voltage)							
	Capacitance Change	$\leq \pm 20\%$ of initial value						
	Dissipation Factor	$\leq 200\%$ of initial specified value						
	Leakage current	\leq 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



● RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	65	75	85	95	105
Multiplier	2.12	1.92	1.69	1.50	1.00

Frequency(Hz)	60	120	400	1k	10k	100k
W.V.	Multiplier					
6.3~16V	0.45	0.60	0.83	0.94	0.98	1.00
25~35V	0.38	0.50	0.75	0.90	0.97	1.00
50V	0.36	0.46	0.70	0.88	0.94	1.00

● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max impedance : Ω 100kHz
 Max ripple current : mA(rms) 105°C 100kHz

V(Code) μF Code		Item	6.3 (0J)			10 (1A)				
			DxL	IMP.		R.C.	DxL	IMP.		R.C.
				20°C	-10°C			20°C	-10°C	
15	150				→	4x7	1.592	4.775	80	
22	220	4x7	1.191	3.572	80	4x7	1.184	3.552	95	
27	270	4x7	1.051	3.153	90	4x7	1.045	3.135	100	
33	330	4x7	0.926	2.778	100	4x7	0.921	2.763	110	
39	390	4x7	0.839	2.518	110	5x7	0.835	2.505	140	
47	470	5x7	0.629	1.886	130	5x7	0.568	1.705	160	
56	560	5x7	0.561	1.682	150	5x7	0.507	1.521	170	
68	680	5x7	0.489	1.467	160	6.3x7	0.442	1.326	210	
82	820	6.3x7	0.450	1.351	200	6.3x7	0.407	1.222	230	
100	101	6.3x7	0.406	1.219	220	6.3x7	0.367	1.102	260	
120	121	6.3x7	0.346	1.039	250	6.3x7	0.313	0.939	280	
150	151	6.3x7	0.283	0.850	280	8x7	0.256	0.768	370	
180	181	8x7	0.246	0.739	350					
220	221	8x7	0.210	0.630	390					

V(Code) μF Code		Item	16 (1C)			25 (1E)				
			DxL	IMP.		R.C.	DxL	IMP.		R.C.
				20°C	-10°C			20°C	-10°C	
10	100	4x7	1.416	4.249	75	4x7	1.332	3.995	95	
15	150	4x7	1.039	3.116	90	4x7	0.977	2.930	110	
18	180	4x7	0.897	2.692	100	5x7	0.851	2.552	140	
22	220	4x7	0.772	2.317	100	5x7	0.726	2.179	150	
27	270	5x7	0.682	2.046	130	6.3x7	0.641	1.923	190	
33	330	5x7	0.601	1.802	140	6.3x7	0.565	1.695	210	
39	390	6.3x7	0.545	1.634	180	6.3x7	0.512	1.537	220	
47	470	6.3x7	0.482	1.446	190	6.3x7	0.453	1.360	250	
56	560	6.3x7	0.430	1.290	210	8x7	0.404	1.213	310	
68	680	6.3x7	0.375	1.125	230	8x7	0.352	1.057	340	
82	820	6.3x7	0.345	1.036	260					
100	101	6.3x7	0.312	0.935	280					

V(Code) μF Code		Item	35 (1V)			50 (1H)				
			DxL	IMP.		R.C.	DxL	IMP.		R.C.
				20°C	-10°C			20°C	-10°C	
4.7	4R7	4x7	2.760	8.280	70	4x7	2.758	8.274	90	
6.8	6R8	4x7	2.385	7.154	80	5x7	2.383	7.149	110	
10	100	5x7	0.998	2.994	110	6.3x7	0.499	1.496	150	
15	150	5x7	0.732	2.195	140	6.3x7	0.366	1.097	180	
18	180	6.3x7	0.638	1.913	170	6.3x7	0.319	0.956	200	
22	220	6.3x7	0.544	1.633	180	8x7	0.272	0.816	240	
27	270	6.3x7	0.480	1.441	200	8x7	0.240	0.720	270	
33	330	8x7	0.423	1.270	250	8x7	0.212	0.635	290	
39	390	8x7	0.384	1.151	270					
47	470	8x7	0.340	1.019	300					

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

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