Aluminum Electrolytic Capacitors





series

105°C 7mmL,NON-POLAR TYPE

- Specially designed for polarity inversion circuits
 The series offers excellent frequency characteristics and minimal capacitance deviation with frequency.
- Solvent proof

■SPECIFICATIONS

Item	Performance Characteristics										
Operating Temperature Range	-40°C~105°C										
Rated Voltage Range		6.3~50V									
Capacitance Range	0.41~220uF										
Capacitance Tolerance	±20% at 120Hz,20℃										
Leakage Current (MAX)	After 2 minutes application of rated voltage.leakage current is not more than 0.05CV or 10(uA),whichever is greater										
Dissipation Factor	For capacitance of more than 1000uF, added 0.02 for every increase of 1000 uF,Measurement frequence:120Hz, Temperature:20°C										
(tan δ)	Rated voltage(V)		6.3	10	16	25	35	50			
	Tan δ		0.26	0.24	0.22	0.20	0.18	0.16			
	Measurement frequency:120Hz							1			
Low Temperature Stability	Rated v	oltage(V)		6.	3	10	16	25	35	50	
Impedance Ratio	Impedance ratio	Z(-25℃)	/Z (+20℃)) 4		3	2	2	2	2	
impedance Natio	ZT/Z20 (MAX)	Z(-40℃)	/Z (+20℃)	8		6	4	4	3	3	
Load Life	After 1000 hours application of rated voltage at 105°C with the polarity inverted every 250 hours,capacitors meet the characteristics requirements listed at right. Leakage Current Specified value or less Capacitance Change Within ±20% of initial value								apacitors meet		
Shelf Life	Dissipation Factor 200% or less of specified value After leaving capacitors under no load at 105°C for 500hours and applying voltage according to JIS C-5102										
Orien Life	4-3,they meet the s	4-3,they meet the specified value for load life characteristics listed above.									
Standard	According to JIS C-5141										

■MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

w.v	Frequency(Hz) Cap(uF)	60(50)	120	300	1k	10k~
6.3~50	0.1~47	0.80	1.00	1.20	1.30	1.50
	100~220	0.80	1.00	1.10	1.15	1.20

Temperature	45℃	70℃	85℃	105℃
Coefficient	1.80	1.35	1.10	1.00

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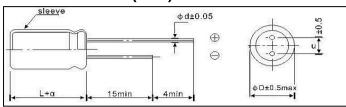




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■DIMENSIONS(mm)



ΦD	4	5	6.3	8				
Фd	0.45							
F	1.5	2.0	2.5	3.5				
α	1.0							

■STANDARD SIZE PERMISSIBLE RIPPLE CURRENT

Size ΦD×L(mm)Ripple Current(mA 105°C,120Hz)r.m.s

W.V	6.3	6.3		10		16		25		35		t(mA 105°C,120Hz)r.m.s	
Cap(uF)	SIZE	Ripple	SIZE	Ripple	SIZE	Ripple	SIZE	Ripple	SIZE	Ripple	SIZE	Ripple	
0.1											4×7	1	
0.22											4×7	2.3	
0.33											4×7	3.5	
0.47											4×7	5.0	
1											4×7	10	
2.2									4×7	10	4×7	14	
3.3									4×7	16	4×7	20	
4.7					4×7	18	5×7	21	5×7	22	6.3×7	27	
10			4×7	24	5×7	30	6.3×7	35	6.3×7	37	8×7	44	
22			5×7	40	4×7 6.3×7	50 51	6.3×7	58	8×7	62	8×7	65	
33	5×7	42	6.3×7	56	6.3×7	63	8×7	73	8×7	76			
47	6.3×7	58	6.3×7	67	6.3×7	75	8×7	87					
100	8×7	95	8×7	110	8×7	125							
220	8×7	140					1						

※以上最大体积为标准尺寸,其他为体积缩小品,寿命相应缩短