ALUMINUM ELECTROLYTIC CAPACITORS





5mmL, Low Leakage Current

• Low leakage current series with 5mm height. • Adapted to the RoHS directive (2002/95/EC). Low Leakage Current



Products which are scheduled to discontinue. Not recommended for new designs



Specifications

Item	Performance Characteristics													
Category Temperature Range	-40 to +85°C	-40 to +85°C												
Rated Voltage Range	4 to 50V													
Rated Capacitance Range	0.1 to 100µF	.1 to 100μF												
Rated Capacitance Tolerance	±20% at 120Hz, 20°C													
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.002CV or 0.4 (µA), whichever is greater.													
	Measurement frequency : 120Hz, Temperature : 20°C													
tan δ	Rated voltage (V)	4	4 6.		10		16	2	25	3	5	50	7	
	tan δ (MAX.)	0.35	5 0.24		0.2	0	0.16	0.	14	0.1	12	0.10]	
	Measurement frequency : 120Hz													
	Rated vo	Rated voltage (V)			6	<u>5</u> .3	10	16	2	25	35	50		
Stability at Low Temperature	Impedance ratio	Z-25°C / Z+20°C		7	4		3	2		2	2	2		
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C		15	5 1		8	6		4	3	3		
						_								
	After 1000 hours' application of rated voltage					Capacitance change			Within ±20% of initial value					
Endurance	at 85°C, capacitors meet the characteristic					tan a	-		200% or less of initial specified value					
	requirements listed at right. Leakage current Initial specified value or less													
Shelf Life	After storing the capacitors under no load at 85°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.													
Marking	Printed with white color letter on black sleeve.													

Radial Lead Type





Type numbering system (Example : 10V 33μ F) ¹ ² ³ ⁴ ⁵ ⁶ ⁷ ⁸ ⁹ ¹⁰ ¹¹



Dimensions

	V	4		6.3		10		16		25		35		50	
Cap.(µF)	Code	0G		0J		1A		1C		1E		1V		1H	
0.1	0R1		1						1					4×5	1.0
0.22	R22		i								-			4×5	2.0
0.33	R33								-					4×5	2.8
0.47	R47													4×5	4.0
1	010				-						-			4×5	8.4
2.2	2R2													4×5	13
3.3	3R3		1						1				-	5×5	17
4.7	4R7									4×5	16	4×5	18	5×5	20
10	100		i		i			4×5	23	5×5	27	5×5	29	6.3×5	33
22	220			4×5	28	5×5	33	5×5	37	6.3×5	42	6.3×5	46		
33	330	5×5	28	5×5	37	5×5	41	6.3×5	49	6.3×5	52				
47	470	5×5	33	5×5	45	6.3×5	52	6.3×5	58					Case size	Rated
100	101	6.3×5	56	6.3×5	70				i					∮D×L (mm)	ripple

Rated Ripple (mArms) at 85°C 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.

