ALUMINUM ELECTROLYTIC CAPACITORS

nichicon



7mmL, Long Life Assurance



- Extended load life of 5000 hours at +105°C, with 7mm height.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).



(0597C 1029)

Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 to +105°C										
Rated Voltage Range	6.3 to 50V										
Rated Capacitance Range	1 to 220µF										
Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or $3(\mu A)$, whichever is greater.										
	Measurement frequency : 120Hz, Temperature : 20°C										
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	1	0	16	25		35	50]	
, 3 , , , , , , , , , , , , , , , , , , ,	tan δ (MAX.)	0.24	0.2	21	0.18	0.15		0.13	mperature : 20°C 50 0.12 quency : 120Hz 50 2 3 0% of the initial cap ess than the initial s or equal to the initial		
	Measurement frequency : 120Hz										
	Rated v	oltage (V)	6.3	10	16	25	35	50			
Stability at Low Temperature	Impedance ratio	Z–25°C / Z+	20°C	4	3	2	2	2	2		
	(MAX.)	Z-40°C / Z+	20°C	8	6	4	3	3	Temperature : 20°C 50 0.12 t frequency : 120Hz 35 35 50 2 2 3 3 n ±30% of the initial capaci or less than the initial spectrum than or equal to the initial spectrum than or equal to the initial spectrum than the ininitial spectrum than the initial spectrum		
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 5000 hours at 105°C.				tan	bacitance ch δ kage currer	0	300% or less	ial specified value		
Shelf Life		After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.									
Marking	Printed with silver color letter on dark brown sleeve.										

Radial Lead Type



Type numbering system (Example: 10V 33µF)



Dimensions

	V	6.3		10		16		25		35		50	
Cap.(µF)	Code	OJ		1A		1C		1E		1V		1H	
1	010											4 × 7	10
2.2	2R2		1				l					4 × 7	19
3.3	3R3		1		 		1					4 × 7	24
4.7	4R7				1					4 × 7	24	5×7	29
10	100		 		1	4 × 7	29	5×7	33	5×7	36	6.3 × 7	44
22	220	4 × 7	34	5 × 7	38	5 × 7	44	6.3 × 7	51	6.3 × 7	57	8×7	65
33	330	5 × 7	42	5 × 7	47	6.3 × 7	57	6.3 × 7	63	8×7	72		
47	470	5×7	50	6.3 × 7	59	6.3 × 7	68	8×7	78				
100	101	6.3 × 7	77	8 × 7	96	8 × 7	107					Case size	Rated
220	221	8×7	130									φD×L (mm)	ripple

Rated ripple current (mArms) at 105°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.

