ALUMINUM ELECTROLYTIC CAPACITORS

nichicon



7mmL, Long Life Assurance

Long Life

• Extended load life of 5000 hours at +105°C, with 7mm height.

• Compliant to the RoHS directive (2011/65/EU).



A602 A60	

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	on of rated volt	age at 20°	C, leakage c	urrent is no	ot more	e than 0.01CV	or 3(µA), w	/hichever is greater.	
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz, Temperature : 20°C									
	Rated voltage (V)	6.3	10	16	25		35	50		
, j	tan δ (MAX.) 0	.24 0	.21	0.18	0.15		0.13	0.12]	
	Measurement frequency : 120Hz									
~	Rated voltage (V)		6.3	10	16	25	35	50		
Stability at Low Temperature	Impedance ratio Z-2	25°C / Z+20°C	4	3	2	2	2	2		
	ZT / Z20 (MAX.) Z-4	0°C / Z+20°C	8	6	4	3	3	3]	
Endurance	The specifications listed a the capacitors are restored		$\begin{array}{c} Capacitance \ change \\ tan \ \delta \end{array}$			Within ±30% of the initial capacitance value 300% or less than the initial specified value				
	voltage is applied for 5000 hours at 105°C. Leakage current Less than or equal to the initial 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 le	etter on dark br	own 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		1									4 × 7	10
2.2	2R2		1									4 × 7	19
3.3	3R3		1		 		1					4×7	24
4.7	4R7				1		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				1					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.

Mouser Electronics

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USV0J101MFD USV1A220MFD USV0J221MFD USV0J330MFD USV0J220MFD USV1A330MFD USV1A470MFD USV1C470MFD USV1H100MFD USV1HR33MFD USV1HR47MFD USV0J470MFD USV1A101MFD USV1C220MFD USV1C330MFD USV1H010MFD USV1H0R1MFD USV1HR22MFD USV1C100MFD USV1C101MFD USV1E330MFD USV1E470MFD USV1H3R3MFD USV1H4R7MFD USV1V330MFD USV1V4R7MFD USV1E100MFD USV1E220MFD USV1H220MFD USV1H2R2MFD USV1V100MFD USV1V220MFD USV1H100MFD1TP USV1V100MFD1TE USV1V4R7MFD1TP USV1H010MFD1TP USV1C100MFD1TP USV1V100MFD1TE USV1C330MFD1TE USV1C330MFD1TP USV1E470MFD1TD USV1E470MFD1TE USV1A330MFD1TE