ALUMINUM ELECTROLYTIC CAPACITORS





Chip Type, High Voltage. Long Life.



- Chip Type, high voltage and long life.
- Load life of 10000 hours at +105°C
- Applicable to automatic mounting machine using carrier tape.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).
- AEC-Q200 compliant. Please contact us for details.

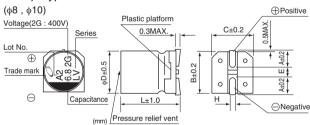




Specifications

Item	Performance Characteristics									
Category Temperature Range	-40 to +105°C									
Rated Voltage Range	160 to 500V									
Rated Capacitance Range	1.8 to 33µF									
Capacitance Tolerance	±20% at 120Hz, 20°C									
	Rated voltage (V) 160 to 450 500									
Leakage Current	– 0.04CV+100(μA)max.(1 minute's at 20°C) 0.04CV+200(μA)max.(1 minute's at 20°C)									
	Measurement frequency : 120Hz at 20°C									
Tangent of loss angle (tan δ)	Rated voltage (V) 160 200 250 400 450 500									
	tan δ (MAX.) 0.20 0.20 0.25 0.25 0.30 0.30									
	Measurement frequency: 120Hz									
Stability at Low Temperature	Rated voltage (V) 160 200 250 400 450 500									
Stability at Low Temperature	Impedance ratio Z=40°C / Z+20°C 6 6 10 10 15 15 ZT / Z20 (MAX.) Z=40°C / Z+20°C 6 6 10 10 15 15									
Endurance	Capacitance changeWithin $\pm 30\%$ of the initial capacitance valuecapacitors are restored to 20°C after the rated voltage is applied for 10000 hours at 105°C.Capacitance changeWithin $\pm 30\%$ of the initial capacitance valueLeakage currentLess 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.									
Resistance to soldering heat	The capacitors are kept on a hot plate for 30 seconds, which is maintained at 250°C and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the characteristic requirements listed at right when they are removed from the plate. Capacitance change Within $\pm 10\%$ of the initial capacitance value $\tan \delta$ Less than or equal to the initial specified value Leakage current Less than or equal to the initial specified value									
Marking	Black print on the case top.									

Chip Type



Type numbering system (Example : 400V 6.8 $_{\mu}$ F) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 U L V 2G 6 8 8 M N L 1 G S
Taping code Configuratio
Capacitance tolerance (±20%
Rated capacitance (6.8µF

0×L 8×10 10×10 10×13.5 2.9 3.2 А 3.2 В 8.3 10.3 10.3 С 8.3 10.3 10.3 Е 3.1 L 10 Н 0.8 to 1.1

Voltage						
V	160	200	250	400	450	50
Code	2C	2D	2E	2G	2W	2ŀ

on %)

ıF) Rated voltage (400V)

Series name Туре

	~	0	odo l	00			0				
			V	160			2	00			
5	ions										
	0.8 to 1.1	0.8 to 1.1		Code	2C	2D	2E	2G	2W	2H	
	10	13.5		V	160	200	250	400	450	500	
	4.5	4.5		voltage							

Dime	nsio	ns

Coefficient

	V	16	0	20	0	25	0	40	0	450)	500)
Cap.(µF)	Code	20	0	2[)	28		2G	à	20	1	2H	
1.8	1R8											8×10	25
3.3	3R3									8×10	25	10×10	40
3.9	3R9							8×10	35	i		i	
4.7	4R7											10 × 13.5	45
5.6	5R6									10×10	40		
6.8	6R8							10 × 10	50				
7.5	7R5									10 × 13.5	45		
8.2	8R2					8×10	35	i i					
10	100							10 × 13.5	55				
12	120			8×10	50								
15	150	8×10	50	i		10×10	50	i		i		i	
18	180			10×10	65	10×13.5	55						
22	220	10 × 10	65										
27	270			10 × 13.5	70			i				Case size	Rate
33	330	10 × 13.5	70									$\phi D \times L (mm)$	ripple

• Frequency coefficient of rated ripple current

1.00

0.80

Frequency 50 Hz 120 Hz 300 Hz 1 kHz 10 kHz or more

1.25

1.40

- Taping specifications are given in page 23.
- · Recommended land size, soldering by reflow are given in page 18, 19.
- · Please refer to page 3 for the minimum order quantity.

CAT.81001



单击下面可查看定价,库存,交付和生命周期等信息

>>Nichicon(尼吉康)