ALUMINUM ELECTROLYTIC CAPACITORS

Chip Type, High Voltage. High Temperature Range.





- Chip type, high voltage and high temperature range.
- Load life of 2000 hours at +125°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.

ULH Long Life ULT B63). High Voltage

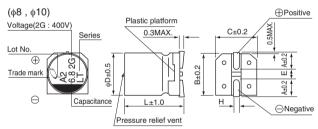
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■Specifications

- Opecinications												
Item	Performance Characteristics											
Category Temperature Range	-40 to +125°C											
Rated Voltage Range	160 to 500V											
Rated Capacitance Range	1.8 to 33µF											
Capacitance Tolerance	±20% at 120Hz, 20°C											
Lookogo Current	Rated voltage (V)		160	~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)											
			Meas	urem	ent freque	ncy : 120	∃z at 20°0)	_			
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											
	Rated voltage (V)			160	200	250	400	450	500			
Stability at Low Temperature	Impedance ratio Z-40°C / Z+20°C ZT / Z20 (MAX.)			6	6	10	10	15	15			
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 125°C.						tan δ	itance cha ge current		Within ±30% of the initial capacitance value 300% or less than the intial specified value Less than or equal to the initial specified value		
Shelf Life	After storing the capacitors under no load at 125°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 tan δ Leakage current			Within ±10% of the initial capacitance value Less than or equal to the initial specified value Less than or equal to the initial specified value				
Marking	Black print on the ca	se top.										

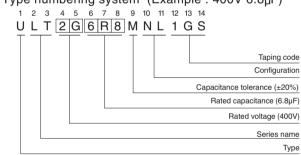
■Chip Type



			(mm)
øD×L	8×10	10×10	10×13.5
Α	2.9	3.2	3.2
В	8.3	10.3	10.3
С	8.3	10.3	10.3
E	3.1	4.5	4.5
L	10	10	13.5
Н	0.8 to 1.1	0.8 to 1.1	0.8 to 1.1

Voltage						
V	160	200	250	400	450	500
Code	2C	2D	2E	2G	2W	2H

Type numbering system (Example : $400V 6.8 \mu F$)



Dimensions

	V	10	60	200		250		400		450		500	
Cap.(µF)	Code	2	С	2D		2E		2G		2W		2H	
1.8	1R8											8×10	20
3.3	3R3		!	!		!				8×10	20	10×10 !	35
3.9	3R9		i	i				8×10	30	i		i	
4.7	4R7											10 × 13.5	40
5.6	5R6									10×10	35		
6.8	6R8		i					10×10	45			i	
7.5	7R5		1	!		!				10 × 13.5	40		
8.2	8R2		į			8×10	30			į į		į.	
10	100		i					10 × 13.5	50			i	
12	120			8×10	45								
15	150	8 × 10	45	i		10×10	45	i i		i		i	
18	180		i I	10×10	60	10 × 13.5	50						
22	220	10 × 10	60	!		!						!	
27	270		i	10 × 13.5	65	i		i i		i		Case size	Rated
33	330	10 x 13.5	65			!						$\phi D \times L (mm)!$	ripple

160

Rated ripple current (mArms) at 125°C 120Hz

- 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.

• Frequency coefficient of rated ripple current

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Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more					
Coefficient	0.70	1.00	1.17	1.36	1.50					