

ALUMINUM ELECTROLYTIC CAPACITORS

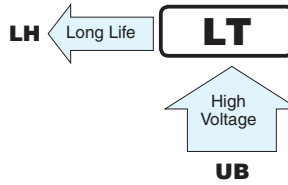
nichicon

LT Chip Type, High Voltage.
High Temperature Range.
series



Upgrade

- 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).



Specifications

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						
Leakage Current	Rated voltage (V)	160~450				500	
	-	0.04CV+100(μA)max.(1 minute's)				0.04CV+200(μA)max.(1 minute's)	
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C						
	Rated voltage (V)	160	200	250	400	450	500
	tan δ (MAX.)	0.20	0.20	0.25	0.25	0.30	0.30
Stability at Low Temperature	Measurement frequency : 120Hz						
	Rated voltage (V)	160	200	250	400	450	500
	Impedance ratio ZT / Z20 (MAX.)	Z-40°C / Z+20°C	6	6	10	10	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.				Capacitance change		Within ±30% of the initial capacitance value
					tan δ		300% or less than the initial specified value
					Leakage current		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		Within ±10% of the initial capacitance value
					tan δ		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.						