

ALUMINUM ELECTROLYTIC CAPACITORS

UYA Chip Type, Long Life Assurance



NEW

- Chip type, Extended load life of 5000hours at +125°C.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).
- AEC-Q200 compliant. Please contact us for details.

UYA ← Long Life Higher Capacitance **UCZ**

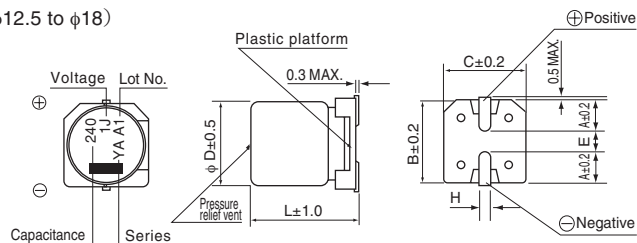


Specifications

Item	Performance Characteristics	
Category Temperature Range	-40 to +125°C	
Rated Voltage Range	63 to 100V	
Rated Capacitance Range	90 to 880μF	
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(μA), whichever is greater.	
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C	
	Rated voltage (V)	63 80 100
	tan δ (MAX.)	0.12 0.12 0.1
Stability at Low Temperature	Measurement frequency : 120Hz	
	Rated voltage (V)	63 80 100
	Impedance ratio (MAX.)	Z-40°C / Z+20°C 3 3 3
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 125°C.	
	Capacitance change	Within ±30% of the initial capacitance value
	tan δ	300% or less than 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.	
	Capacitance change	Within ±10% of the initial capacitance value
	tan δ	Less than or equal to the initial specified value
Resistance to soldering heat	The capacitors are kept on a hot plate for 30 seconds, which is maintained at 250°C. The capacitors shall meet the characteristic requirements listed at right when they are removed from the plate and restored to 20°C.	
	Capacitance change	Within ±10% of the initial capacitance value
	Leakage current	Less than or equal to the initial specified value
Marking	Black print on the case top.	

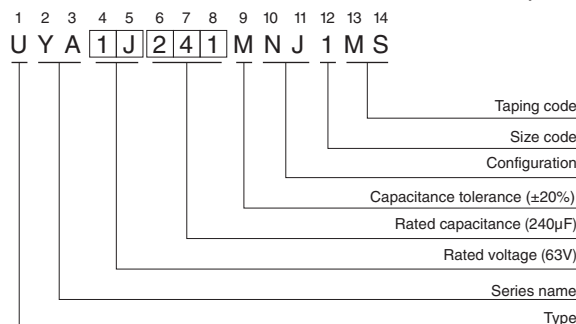
Chip Type

(φ12.5 to φ18)



	(mm)				
φD	12.5x13.5	16x16.5	16x21.5	18x16.5	18x21.5
A	5.15	5.65	5.65	6.65	6.65
B	13.6	17.1	17.1	19.1	19.1
C	13.6	17.1	17.1	19.1	19.1
E	3.3	5.8	5.8	5.8	5.8
L	13.5	16.5	21.5	16.5	21.5
H	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4

Type numbering system (Example : 63V 240μF)



Frequency coefficient of rated ripple current

Frequency	50Hz	120Hz	300Hz	1kHz	10kHz or more
Coefficient	0.35	0.50	0.64	0.83	1.00

Design, specifications are subject to change without notice.

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UYA

■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μ F)	Case Size ϕ D \times L (mm)	tan δ	Leakage Current (μ A) (at 20°C after 2 minutes)	Rated Ripple (mArms) (125°C/100kHz)	Part Number
63 (1J)	240	12.5 \times 13.5	0.12	151.2	650	UYA1J241MNJ1MS
	430	16 \times 16.5	0.12	270.9	930	UYA1J431MNJ1MS
	560	18 \times 16.5	0.12	352.8	1000	UYA1J561MNJ1MS
	660	16 \times 21.5	0.12	415.8	1500	UYA1J661MNJ1MS
	880	18 \times 21.5	0.12	554.4	1600	UYA1J881MNJ1MS
80 (1K)	160	12.5 \times 13.5	0.12	128	650	UYA1K161MNJ1MS
	270	16 \times 16.5	0.12	216	930	UYA1K271MNJ1MS
	360	18 \times 16.5	0.12	288	1000	UYA1K361MNJ1MS
	430	16 \times 21.5	0.12	344	1500	UYA1K431MNJ1MS
	560	18 \times 21.5	0.12	448	1600	UYA1K561MNJ1MS
100 (2A)	90	12.5 \times 13.5	0.10	90	650	UYA2A900MNJ1MS
	160	16 \times 16.5	0.10	160	930	UYA2A161MNJ1MS
	200	18 \times 16.5	0.10	200	1000	UYA2A201MNJ1MS
	240	16 \times 21.5	0.10	240	1500	UYA2A241MNJ1MS
	330	18 \times 21.5	0.10	330	1600	UYA2A331MNJ1MS

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