ALUMINUM ELECTROLYTIC CAPACITORS

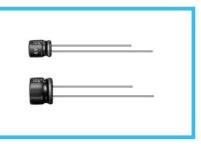
nichicon





- Low impedance over wide temperature range of -55 to +105°C, with 5mm height.
- Suited for DC-DC converters where smaller case size and lower impedance are required.
- Compliant to the RoHS directive (2002/95/EC).

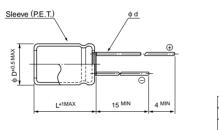


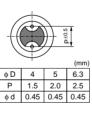


Specifications

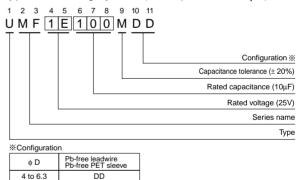
Item	Performance Characteristics										
Category Temperature Range	-55 to +105°C										
Rated Voltage Range	6.3 to 35V										
Rated Capacitance Range	1 to 100µF										
Rated Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 2 minutes' applica	tion of rated v	oltage, le	akage curr	ent is no	ot more thar	0.01CV or 3	3 (μA), whichever is greater.			
Tangent of loss angle (tan $\delta)$	Measurement frequency : 120Hz, Temperature : 20°C										
	Rated voltage (V)	6.3	10	10	6	25	35]			
	tan δ (MAX.)	0.22	0.20	0.1	8	0.14	0.12				
	Measurement frequency : 120Hz										
	Rated voltage	6.3	10	16	25	35]				
Stability at Low Temperature	impodaneo ratio	Z-25°C / Z+20°C		2	2 2		2				
	ZT / Z20 (MAX.) Z-5	5°C /Z+20°C	4	4	3	3	frequency 120Hz 25 35 2 2				
Endurance	The specifications listed at right shall be met										
	when the capacitors are	n L	Capacitance	change		Il capacitance value					
	after the rated voltage is	0 -	tan δ			200% or less than the initial specified value					
	hours at 105°C.										
Shelf Life	After storig 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 white color letter on dark brown sleeve.										

Radial Lead Type





Type numbering system (Example : $25V \ 10\mu F$)



Dimensions

	V		6.3			10			16			25			35	
Cap.(µF)	Code		0J			1A			1C			1E			1V	
1	010			 	1		1			1 			1	4×5	5.0	50
1.5	1R5			1			1			1			1	4×5	5.0	50
2.2	2R2			 			1			1			1	4×5	5.0	50
3.3	3R3			 	1		1			1			1	4×5	5.0	50
4.7	4R7			1				1		1	4×5	5.0	50	4×5	5.0	50
6.8	6R8			1			1			1	4×5 ¦	5.0	50	5×5	2.6	80
10	100			1			1	4×5	5.0	50	5×5	2.6	80	5×5	2.6	80
15	150			1				5×5	2.6	80	6.3×5	1.3	¦ 115	6.3×5	1.3	115
22	220	4×5	5.0	50	5×5	2.6	80	5×5	2.6	80	6.3×5	1.3	¦ 115	6.3×5	1.3	115
33	330	5×5	2.6	80	5×5 ¦	2.6	80	6.3×5	1.3	115	6.3×5	1.3	115		1	
47	470	5×5	2.6	80	6.3×5 ¦	1.3	115	6.3×5	1.3	115			1		1	
68	680	6.3×5	1.3	115			1			1			1	Case size	I Imnedance	Rated
100	101	6.3×5	1.3	115	1		1	1		1			1	φD×L (mm)	impodance	ripple

Frequency coefficient of rated ripple current

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

Max. Impedance (Ω) at 20°C 100kHz Rated ripple current (mArms) at 105°C 100kHz

Please refer to page 20, 21, 22 about the formed or taped product spec. Please refer to page 4 for the minimum order quantity.

