ALUMINUM ELECTROLYTIC CAPACITORS

nichicon



7mmL, Bi-Polarized



- Bi-polarized series with 7mm height.
- Extended capacitance range by an addition of $\phi 8$ product.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).





Specifications

Item	Performance Characteristics															
Category Temperature Range	-40 to +85°C															
Rated Voltage Range	6.3 to 50V															
Rated Capacitance Range	0.1 to 220µF															
Capacitance Tolerance	±20% at 120Hz, 20°C															
Leakage Current	After 2 minutes' ap	plication of rat	ed volta	age at 20	°C, leakage	current is	not more t	han 0.05C\	/ or 10 (µA),	, whichever is gre	eater.					
	Measurement frequency : 120Hz at 20°C															
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	1	0	16	2	5	35								
,	tan δ (MAX.)	0.24	0.	20	0.16	0.1	6	0.14	0.12							
	Measurement frequency : 120 Hz															
Stability at Low Tomporature	Rated	Rated voltage (V)		6.3	10	16	25	35	50							
Stability at Low Temperature	Impedance ratio	Z–25°C / Z+	20°C	4	3	2	2	2	2							
	(MAX.)	Z-40°C / Z+	20°C	8	6	4	4	3	3							
	The specifications I	sted at right sh	all be m	et 🗔		. 1										
Endurance	when the capacitors	after 📙	Capacitance of	change	Within ±20% of the initial capacitance value											
	the rated voltage is applied for 2000 hours at $\tan \delta$ 200% or less than the initial specified value															
	85°C with the polarity inverted every 250 hours. Leakage current Less than or equal to the initial specified value															
Shelf Life	After storing the ca clause 4.1 at 20°C									based on JIS C 5	5101-4					
Marking	Printed with white	color letter on	black sl	eeve.						Printed with white color letter on black sleeve.						

Radial Lead Type





Dimensions

	V	6.3		10		16		25		35		50	
Cap.(µF)	Code	OJ		1A		1C		1E		1V		1H	
0.1	0R1											4 × 7	1.0
0.22	R22				-							4 × 7	2.3
0.33	R33		1		1		1		1		1	4 × 7	¦ 3.5
0.47	R47				-							4 × 7	5.0
1	010				-							4 × 7	10
2.2	2R2		-		-		1		1		1	4 × 7	14
3.3	3R3									4 × 7	16	5×7	20
4.7	4R7					4 × 7	18	5 × 7	21	5 × 7	22	6.3 × 7	27
10	100		1	4 × 7	¦ 24	5 × 7	30	6.3 × 7	35	6.3 × 7	37	8×7	44
22	220			5 × 7	40	6.3 × 7	51	6.3 × 7	53	8 × 7	62	8 × 7	65
33	330	5 × 7	42	6.3 × 7	56	6.3 × 7	63	8 × 7	73	8 × 7	76		
47	470	6.3 × 7	58	6.3 × 7	67	6.3 × 7	¦ 75	8 × 7	87				1
100	101	8 × 7	95	8 × 7	110	8 × 7	125					Case size	Rated
220	221	8×7	140									$\phi D \times L (mm)$	ripple

• Frequency coefficient of rated ripple current

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

Rated ripple current (mArms) at 85°C 120Hz

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



Mouser Electronics

Authorized Distributor

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Nichicon:

USP0J470MDD USP1A100MDD USP1C330MDD USP1C470MDD USP0J221MDD USP0J330MDD USP0J101MDD USP1A470MDD USP1C100MDD USP1A101MDD USP1A220MDD USP1A330MDD USP1C4R7MDD USP1E100MDD USP1H0R1MDD USP1H100MDD USP1V100MDD USP1V220MDD USP1C101MDD USP1C220MDD USP1E4R7MDD USP1H010MDD USP1HR22MDD USP1HR33MDD USP1HR47MDD USP1E220MDD USP1E330MDD USP1E470MDD USP1H3R3MDD USP1H4R7MDD USP1V4R7MDD USP1E220MDD USP1H2R2MDD USP1V330MDD USP1V3R3MDD USP1C470MCA USP1C470MDD1TP USP1J100MDD USP1J470MPD1TA USP1C220MDD1BB USP1H2R2MDD1TP