

5mmL, Bi-Polarized



- •Bi-polarized series with 5mm height.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).

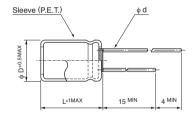


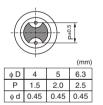


■Specifications

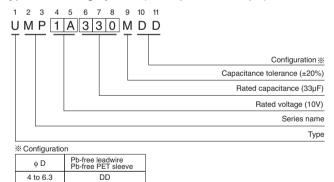
Item	Performance Characteristics										
Category Temperature Range	-40 to +85°C										
Rated Voltage Range	6.3 to 50V										
Rated Capacitance Range	0.1 to 47μF										
Rated Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.05CV or 10 (µA), whichever is greater.										
Tangent of loss angle (tan δ)	Measurement frequency: 120Hz at 20°C										
	Rated voltage (V)	6.3	1	0	16	25	3	5	50		
	tan δ (MAX.)	0.24	0.2	20	0.17	0.17	0.	15	0.15		
	Measurement frequency: 120Hz										
Otability at Law Tanasantons	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 listed at right shall be met Capacitance char						Within ±20% of the initial capacitance value				
Endurance	when the capacitors are restored to 20°C after				tan δ		200% or less than the initial specified value				
	the rated voltage is applied for 2000 hours at 85°C with the polarity inverted every 250 hours.			Leakage current Less than or equal to the initial specified value			pecified value	ļ			
Shelf Life	After storing the capacitors under no load at 85°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 black sleeve.										

■Radial Lead Type





Type numbering system (Example : 10V 33µF)



• 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



■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (µF)	Case Size φD×L(mm)	tan δ	Leakage Current (μA) (at 20°C after 2 minutes	Rated Ripple (mArms) (85°C/120Hz)	Part Number
	22	5×5	0.24	10	28	UMP0J220MDD
6.3 (0J)	33	6.3×5	0.24	10.395	37	UMP0J330MDD
(32)	47	6.3×5	0.24	14.805	45	UMP0J470MDD
	10	4×5	0.20	10	17	UMP1A100MDD
10 (1A)	22	6.3×5	0.20	11	33	UMP1A220MDD
(, , ,	33	6.3×5	0.20	16.5	41	UMP1A330MDD
	4.7	4×5	0.17	10	12	UMP1C4R7MDD
16	10	5×5	0.17	10	23	UMP1C100MDD
(1C)	22	6.3×5	0.17	17.6	37	UMP1C220MDD
	33	6.3×5	0.17	26.4	49	UMP1C330MDD
	3.3	5×5	0.17	10	12	UMP1E3R3MDD
25 (1E)	4.7	5×5	0.17	10	16	UMP1E4R7MDD
\ \ \	10	6.3×5	0.17	12.5	27	UMP1E100MDD
	2.2	4×5	0.15	10	8.4	UMP1V2R2MDD
35	3.3	5×5	0.15	10	16	UMP1V3R3MDD
(1V)	4.7	5×5	0.15	10	18	UMP1V4R7MDD
	10	6.3×5	0.15	17.5	29	UMP1V100MDD
	0.1	4×5	0.15	10	1.0	UMP1H0R1MDD
	0.22	4×5	0.15	10	2.0	UMP1HR22MDD
	0.33	4×5	0.15	10	2.8	UMP1HR33MDD
50	0.47	4×5	0.15	10	4.0	UMP1HR47MDD
(1H)	1	4×5	0.15	10	8.4	UMP1H010MDD
	2.2	5×5	0.15	10	13	UMP1H2R2MDD
	3.3	5×5	0.15	10	17	UMP1H3R3MDD
	4.7	6.3×5	0.15	11.75	20	UMP1H4R7MDD

For cut leads, formed leads or taped parts, please add the appropriate code after the size code (12th digit). If there is no size code in the part number, please add size code "1" and then add the appropriate code.

Please refer to page 18, 19 about the formed or taped product spec. Please refer to page 4 for the minimum order quantity.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nichicon:

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UMP1V100MDD UMP1A100MDD UMP0J330MDD UMP1C4R7MDD UMP1E100MDD UMP1C220MDD UMP1C330MDD UMP1H3R3MDD UMP1H4R7MDD UMP1A220MDD UMP1A330MDD UMP1C100MDD UMP1C330MDD UMP1H3R3MDD UMP1H4R7MDD UMP1A220MDD UMP1A330MDD UMP1C100MDD UMP1H010MDD UMP1H010MDD UMP1H010MDD UMP1H010MDD UMP1H010MDD UMP1H010MDD UMP1H010MDD UMP1V4R7MDD UMP0J220MDD1TP UMP0J470MDD1TP UMP1E100MDD1TP UMP1E100MDD1TP UMP1H010MDD1TP UMP1H4R7MDD1TP UMP1C220MDD1TP UMP1A330MDD1TP UMP1C330MDD1TP UMP1C330MDD1TP UMP1H3R3MDD1TP UMP1A220MDD1TP UMP1E3R3MDD1TP UMP1H2R2MDD1TP UMP1E4R7MDD1TP UMP1H2R2MDD1TP UMP1A220MDD1TP UMP1A220MDD1TP UMP1HR47MDD1TP UMP1HR47MDD1TP UMP1HR47MDD1TP UMP1HR47MDD1TP UMP1HR33MDD1TP UMP1HR33MDD1TP UMP1HR33MDD1TP UMP1HR33MDD1TP UMP1HR33MDD1TP UMP1C4R7MDD1TP UMP1C4R7MDD1TP UMP1C4R7MDD1TP UMP1C4R7MDD1TP UMP1C4R7MDD1TP UMP1C4R7MDD1TP UMP1C4R7MDD1TP UMP1C4R7MDD1TE UMP1C4R7MDD1TE UMP1C330MDD1TE UMP1C4R7MDD1TE UMP1C330MDD1TE UMP1C4R7MDD1TE UMP1C4R7MDD1TE UMP1C4R7MDD1TE UMP1C330MDD1TE UMP1C4R7MDD1TE UMP1C4R7M
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