ALUMINUM ELECTROLYTIC CAPACITORS









- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2011/65/EU).

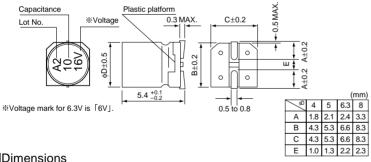




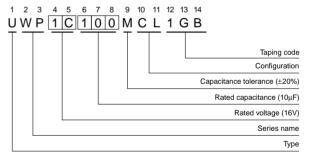
■Specifications

Item	Performance Characteristics											
Category Temperature Range	-40 to +85°C											
Rated Voltage Range	6.3 to 50V											
Rated Capacitance Range	0.1 to 100μF											
Capacitance Tolerance	±20% at 120Hz, 20°C											
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.05CV or 10 (µA) ,whichever is greater.											
	Measurement frequency : 120Hz at 20°C											
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	1	-	16	25	35		50			
ı	tan δ (MAX.)	0.24	0.2	20	0.17	0.17	0.15	5	0.15			
	Measurement frequency : 120Hz											
Chability at Law Taganasatura	Rated	oltage (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				
	ZT / Z20 (MAX.)	Z-40°C / Z+	-20°C	8	6	4	4	3	2			
Endurance	when the connectors are rectored to 20°C after the					· · · · · · · · · · · · · · · · · · ·			0% of the initial capacitance value			
Lituarice	rated voltage is ap					e current						
ı	with the polarity in	ertea every 2	50 nour	S.						,		
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.											
Resistance to soldering	The capacitors are kept on a hot plate for 30 seconds, which is maintained at 250°C. The capacitors shall meet the					Capaci	Capacitance change		Within ±10% of the initial capacitance value			
heat	characteristic requirements listed at right when they are removed from the plate and restored to 20°C.						e current	Less than or equal to the initial specified value Less than or equal to the initial specified value				
Marking	Black print on the case top.											

■Chip Type



Type numbering system (Example: 16V 10µF)



■Dimensions

	V	6	.3	1	0	1	6	2	:5	3	35	5	0
Cap. (µF) Code		0J		1A		1C		1E		1V		1H	
0.1	0R1											4	1.0
0.22	R22		İ		i I				i I			4	2.0
0.33	R33		! !		l I							4	2.8
0.47	R47		İ									4	4.0
1	010		! !		 		ļ		!		!	4	8.4
2.2	2R2									4	8.4	5	13
3.3	3R3				i I			5	12	5	16	5	17
4.7	4R7					4	12	5	16	5	18	6.3	20
10	100		i	4	17	5	23	6.3	27	6.3	29	8	36
22	220	5	28	6.3	33	6.3	37	8	50	8	54		
33	330	6.3	37	6.3	41	6.3	49	8	61				
47	470	6.3	45	8	61	8	75		!				Rated
100	101	8	82									Case size	ripple

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

• 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

- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
- Please select UN(p.166) series if high C/V products are reqired.
- Please refer to page 3 for the minimum order quantity.

Mouser Electronics

Authorized Distributor

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

Nichicon:

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UWP0J101MCL1GB UWP0J101MCR1GB UWP0J220MCL1GB UWP0J220MCR1GB UWP0J330MCL1GB
UWP0J330MCR1GB UWP0J470MCL1GB UWP0J470MCR1GB UWP1A100MCL1GB UWP1A100MCR1GB
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