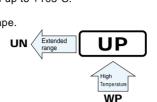
ALUMINUM ELECTROLYTIC CAPACITORS

nichicon



- 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).

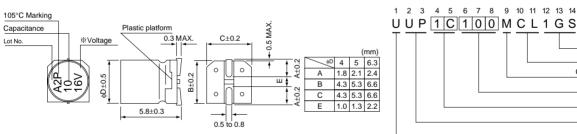




Specifications

Item	Performance Characteristics												
Category Temperature Range	-55 to +105°C												
Rated Voltage Range	6.3 to 50V												
Rated Capacitance Range	0.1 to 47µF												
Capacitance Tolerance	±20% at 120Hz, 20°C												
Leakage Current	After 2 minutes' applicat	ion of rat	ed volta	age, lea	kage current	s not n	nore t	than 0.05 C	CV or 10 (µA), whiche	ever is greate	er.	
Tangent of loss angle (tan $\delta)$	Measurement frequency : 120Hz at 20°C												
	Rated voltage (V) 6.3 10		-	16			35		50				
	tan δ (MAX.) 0.24 0.2		20	0.17	0.17		0.	15	0.15				
	Measurement frequency : 120Hz												
	Rated voltage (V)			6.3	10	16	5	25	35	50]		
Stability at Low Temperature		25°C / Z+		4	3	2		2	2	2			
	ZT / Z20 (MAX.) Z	40°C / Z+	20°C	8	6	4		4	3	3			
	The specifications listed at right shall be met when the capacitors are restored to 20°C after												
Endurance	the rated voltage is applied for 1000 hours at							200% or less than the initial specified value					
	105°C with the polarity every 250 hours.												
Shelf Life	After storing 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.												
Resistance to soldering	The capacitors are kept on a hot plate for 30 seconds, which is Capacitance change Within ±10% of the initial capacitance value										citance value		
	maintained at 250°C. Th		tan δ		0	Less than or equal to the initial specified value							
heat	requirements listed at right when they are removed from the plate and restored to 20°C.												
Marking	Black print on the case t	iop.											

Chip Type



% Voltage mark for 6.3V is 「6V」

Dimensions

	V	6	.3	1	0	1	6	2	5	3	5	5	0
Cap.(µF)	Code	0	J	1	A	1	С	1	E	1	V	1	Н
0.1	0R1											4	1.0
0.22	R22											4	2.0
0.33	R33						1					4	2.8
0.47	R47						1				1	4	4.0
1	010											4	8.4
2.2	2R2									4	8.4	5	13
3.3	3R3						1	5	12	5	16	5	17
4.7	4R7					4	12	5	16	5	18	6.3	20
10	100			4	17	5	23	6.3	27	6.3	29		
22	220	5	28	6.3	33	6.3	37						
33	330	6.3	37	6.3	41	6.3	49						Rated
47	470	6.3	45									Case size ¢ D (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 105°C 120Hz

• 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 CV products are required.

• Please refer to page 3 for the minimum order quantity.



Taping code

Configuration

Capacitance tolerance (±20%)

Rated capacitance (10µF)

Rated voltage (16V)

Series name

Туре

Type numbering system (Example : 16V 10µF)