ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

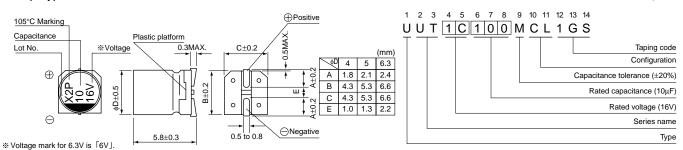


UT

Long Life WT

Specifications		U		er C/V	<u> </u>							
Item		Performance Characteristics										
Category Temperature Range	-55 to +105°C											
Rated Voltage Range	4 to 50V											
Rated Capacitance Range	0.1 to 100µF											
Capacitance Tolerance	±20% at 120Hz, 20°C											
Leakage Current	After 2 minutes' ap	After 2 minutes' application of rated voltage, leakage current is not more than 0.01 CV or 3 (µA), whichever is greater.										
	Measurement frequency :120Hz, Temperature : 20°C										;	
Tangent of loss angle (tan δ)	Rated voltage (V)	4 6.3			10	16	25		35	50		
	tan δ (MAX.)	0.37 0.28		3 0	.24	0.20	0.1	6 0	.13	0.12		
	Measurement frequency :120Hz											
	Rated v	Rated voltage (V)		4	6.3	10	16	25	35	50]	
Stability at Low Temperature	Impedance ratio	Z-25°C / Z+20°C		6	3	3	2	2	2	2		
	ZT / Z20 (MAX.)	Z-40°C / Z	Z+20°C	12	8	5	4	3	3	3		
Endurance	$ \begin{array}{c c} \mbox{The specifications listed at right shall be met} & \mbox{Capacitance} \\ \mbox{when the capacitors are restored to 20°C after} \\ \mbox{the rated voltage is applied for 2000 hours at} \\ \mbox{105°C.} & \mbox{Leakage current} \end{array} $						W 20	Within ±25% of the initial capacitance value (16V or less) Within ±20% of the initial capacitance value (25V or more) 200% or less than the initial specified value Less than or equal to the initial specified value				
Shelf Life	After storing the ca clause 4.1 at 20°C										nent based on JIS C 5101-4 e.	
Resistance to soldering heat	The capacitors are kept on a hot plate for 30 seconds, which is maintained at 250°C. The capacitors shall meet the characteristic requirements listed at right when they are removed from the plate and restored to 20°C. Capacitance change Within ±10% of the initial capacitance within ±10% of the initial specified within ±10% of the initial speci							an or equal to the initial specified value				
Marking	Black print on the	case top.										

Chip Type



Dimensions

	V	4	,	6.	3	10	D	1	ô	2	5	3	5	50)
Cap.(µF)	Code	00	3	0,	J	1/	4	10	2	11	Ξ	1'	V	1H	ł
0.1	0R1		1								1			4	1.0
0.22	R22													4	2.6
0.33	R33													4	3.2
0.47	R47								1					4	3.8
1	010		1								1			4	6.2
2.2	2R2		1						1					4	11
3.3	3R3		1		1				1		1			4	14
4.7	4R7									4	13	4	15	5	19
10	100		i I		1		1	4	18	5	23	5	25	6.3	30
22	220	4	22	4	22	5	27	5	30	6.3	38	6.3	42		
33	330	5	30	5	30	5	35	6.3	40	6.3	48				
47	470	5	36	5	36	6.3	46	6.3	50		1				Rated
100	101	6.3	60	6.3	60	6.3	60							Case size ¢D (mm)	ripple
											Ra	ated ripple of	urrent (m/	Arms) at 105	°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 UX(p.98), UU(p.102) series if high C/V products are

Type numbering system (Example : 16V 10µF)

- Please select UX(p.98), UJ(p.102) series if high C/V products are required.
- Please refer to page 3 for the minimum order quantity.

