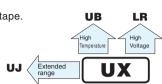
ALUMINUM ELECTROLYTIC CAPACITORS

Chip Type, Wide Temperature Range series

For SMD Anti-Solvent Feature (Through

- Chip type, operating over wide temperature range of to -55 to +105°C.
- 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).



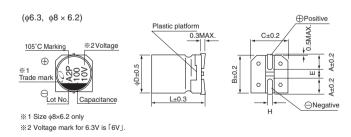


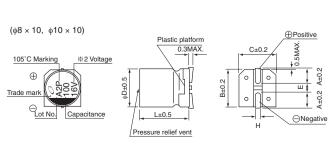
■Specifications

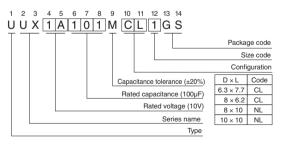
Item	Performance Characteristics															
Category Temperature Range	-55 to +105°C (6.3 to 100V), -40 to +105°C (160 to 400V)															
Rated Voltage Range	6.3 to 400V															
Rated Capacitance Range	1 to 1000μF	1 to 1000µF														
Capacitance Tolerance	±20% at 120Hz, 20°0	0														
Leakage Current	Rated voltage	(V)					6.3 to						160 to 400			
Leakage Current	Leakage Curr	rent	After 1	I minute's a	oplication	of rated vo	ltage, le	akage curre	ent is not mo	re than 0.03	BCV (μA).	I = 0.	04CV+10) (μA) max	.(1 minute's)	
											_	_		,	Hz at 20°C	
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	10	16	25	3		50	63	100	160	_	200	250	400	
	tan δ (MAX.)	0.22	0.19	0.16	0.14	0.	12	0.10	0.10	0.08	0.2	0	0.20	0.20	0.25	
	Measurement frequency: 120Hz															
Stability at Low Temperature	Rated volt	tage (V)		6.3	10	16	25	35	50	63	100	160	200	250	400	
Stability at Low Temperature		Z-55°C / Z		4	4	3	3	3	2	3	4	_			_	
	ZT / Z20 (MAX.)	Z-40°C / Z	+20°C		_				_	_		6	6	6	10	
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours (160 to 400V : 3000hours) at 105°C. Capacitance change Within ±20% of the initial capacita tan δ 200% or less than the initial specifications. Leakage current Less than or equal to the initial specifications.							pecified va	alue							
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						Ca	pacitance	e change	Withir	1±10% c	of the in	nitial cap	acitance v	alue	
	which is maintained the characteristic re						tan	δ		Less t	han or e	qual to	the initia	al specifie	d value	
heat	removed from the p					icy ale	Lea	akage cu	rrent	Less t	han or e	qual to	the initia	al specified	d value	
Marking	Black print on the cas	se top.														

■ Chip Type

Type numbering system (Example : 10V 100 $\mu\text{F})$







				(mm)
φD×L	6.3×7.7	8 × 6.2	8 × 10	10 × 10
Α	2.4	3.3	2.9	3.2
В	6.6	8.3	8.3	10.3
С	6.6	8.3	8.3	10.3
E	2.2	2.3	3.1	4.5
L	7.7	6.2	10	10
Н	0.5 to 0.8	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1



Dimensions

Cap.	V	6	.3	1	0	1	6	2	5	3	5	5	0	6	3	10	00
(μF)	Code	C)J	1	Α	1	С	1	E	1	V	11	Н	1	J	2	A
4.7	4R7														!	8×6.2	42
10	100													8×6.2	51	8×10	75
22	220				!							0 8×6.2	67(64)	8×10	108	■10×10	150(121)
33	330									○ 8×6.2	76(75)	8×10	133	■10×10	185(179)	10×10	180
47	470							0 8×6.2	79(78)	8×10	124	■10×10	180(167)	10×10	220	10×10	230
100	101			8×6.2	90	0 8×10	148(111)	8×10	181	■ 10×10	304(283)	10×10	310	10×10	320		
220	221	0 8×10	161(121)	8×10	173	■ 10×10	330(307)	■10×10	351(283)	10×10	450				1		
330	331	8×10	288	■10×10	318(296)	■ 10×10	441(410)	10×10	372						i !		
470	471	■ 10×10	340(316)	■10×10	351(326)	10×10	489								!		
680	681	10×10	408	10×10	392										!	Case size	Rated
1000	102	10×10	495		 											φD × L (mm)	ripple

Cap. V		10	60	20	00	25	50	40	00
(μ F)			2C		D	2	E	2G	
1	010							8×10	25
1.8	1R8							8×10	26
2.2	2R2							8×10	27
3.3	3R3			8×10	31	8×10	31	10×10	38
3.9	3R9			8×10	34	8×10	34	10×10	39
4.7	4R7			8×10	37	8×10	37	10×10	40
6.8	6R8			8×10	44	8×10	44		
10	100	8×10	57	10×10	64	10×10	64		
18	180	10×10	64						

Rated ripple current (mArms) at 105°C 120Hz

Size ϕ 6.3 × 7.7 is available for capacitors marked. "○" / Size ϕ 8 × 10 is available for capacitors marked. "■" * In this case, $\boxed{6}$ will be put at 12th digit of type numbering system.

• Frequency coefficient of rated ripple current

Cap.(μF) Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more	
1 to 47	0.80	1.00	1.15	1.40	1.67	
100 to 1000	0.85	1.00	1.08	1.20	1.30	

- Taping specifications are given in page 23.Recommended land size, soldering by reflow are given in page 18, 19.
- Please select UJ(p.160) series if high C/V products are regired.
- 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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UUX1C221MNT1GS UUX1H470MNT1GS UUX1H101MNL1GS UUX2A330MNL1GS UUX1H470MNL1GS
UUX1E101MNL1GS UUX1A471MNL1GS UUX1H330MNL1GS UUX0J221MCL6GS UUX0J331MNL1GS
UUX0J471MNL1GS UUX1A221MNL1GS UUX1A331MNL1GS UUX1C101MNL1GS UUX1C221MNL1GS
UUX1C471MNL1GS UUX1J101MNL1GS UUX1J330MNL1GS UUX1V470MNL1GS UUX2A100MNL1GS
UUX0J221MNL1GS UUX0J471MNL6GS UUX0J681MNL1GS UUX0J102MNL1GS UUX1A101MCL1GS
UUX1A331MNL6GS UUX1A471MNL6GS UUX1A681MNL1GS UUX1C101MCL6GS UUX1C221MNL6GS
UUX1C331MNL6GS UUX1E470MCL6GS UUX1E470MCL1GS UUX1E221MNL6GS UUX1E331MNL1GS
UUX1V330MCL6GS UUX1V330MCL1GS UUX1V101MNL6GS UUX1V221MNL1GS UUX1H220MCL6GS
UUX1H220MCL1GS UUX1H470MNL6GS UUX1J100MCL1GS UUX1J220MNL1GS UUX1J470MNL6GS
UUX2A4R7MCL1GS UUX2A220MNL6GS UUX2A220MNL1GS UUX1J470MNL1GS UUX2A470MNQ1GS
UUX0J331MNT1GS UUX1C331MNL1GS UUX1C331MNT1GS UUX1E221MNL1GS UUX1E221MNT1GS
UUX1V101MNL1GS UUX2A470MNL1GS UUX1J330MNL6GS UUX1C221MNL1MS UUX2G4R7MNL1GS
UUX2E4R7MNL1GS UUX2E100MNL1GS UUX2D3R3MNL1GS UUX2G3R9MNL1GS UUX2E3R9MNL1GS
UUX2D6R8MNL1GS UUX2C180MNL1GS UUX2D3R9MNL1GS UUX2G2R2MNL1GS UUX2D100MNL1GS
UUX2G010MNL1GS UUX2G3R3MNL1GS UUX2G1R8MNL1GS UUX2C100MNL1GS UUX2E3R3MNL1GS
UUX2E6R8MNL1GS UUX2D4R7MNL1GS
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