UUE

Chip Type, Vibration Resistance







- Chip type with load life of 2000 to 5000 hours at 125°C.
- Suited for automobile electronics where heavy duty services are indispensable.
- Compliant to the RoHS directive (2011/65/EU).
- AEC-Q200 compliant. Please contact us for details.

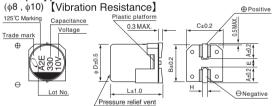
UUB Vibration Resistance UUE



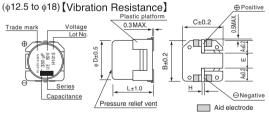
■Specifications

Item	Performance Characteristics									
Category Temperature Range	−55 to +125°C (
Rated Voltage Range	10 to 50V									
Rated Capacitance Range										
Capacitance Tolerance										
Leakage Current	After 1 minut	After 1 minute's application of rated voltage at 20°C, leakage current is not more than 0.03CV or 4 (μA), whichever is greater.								
	For capacitance of more than 1000µF, add 0.02 for every increase of 1000µF.									
Tangent of loss angle	Rated voltage (V)		10	16	25	35	50	120Hz		
(tan δ)	tan δ	φ8,φ10	0.26	0.20	0.16	0.14	0.14	20°C		
	(MAX)	φ 12.5 to φ 18	0.22	0.18	0.16	0.14	0.12			
	Rated voltage (V)		10	16	25	35	50	120Hz		
Stability at Low Temperature	Impedance ratio	$\phi 8, \phi 10$	10	8	6	4	4			
	Z-40°C / Z+20°C (MAX)	φ 12.5 to φ 18	8	6	4	3	3			
	The specifications listed at right shall be met when the Capacitance change Within ±30% of the initial capacitance value									
Endurance		re restored to 20°0		•	tan δ 300% or less than the initial specific					
	applied for 5000 hours (2000 hours for									
Shelf Life	After storing the capacitors under no load at 125°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4									
Olicii Liic	clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.									
Marking	Black print on the case top.									

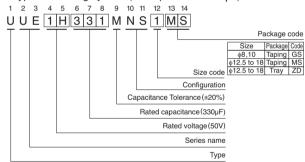
■Chip Type



% $\phi8$ to $\phi10$ The standard structure product is also available upon request, please refer to page147(UUB).



Type numbering system (Example : 50V $330\mu F$)



					(mm)	
1	8	10	12.5	16	18 6.4 19.1	
Α	2.9	3.2	4.8	5.4		
В	8.3	10.3	13.6	17.1		
С	8.3	10.3	13.6	17.1	19.1 6.3	
E	3.1	4.5	4.0	6.3		
L	L 10		13.5,16	16.5,21.5	16.5,21.5	
Н	1.1 to 1.5	1.1 to 1.5	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4	

Dimensions

V		10		16		25		35		50	
Cap.(μF) Code		1A		1C		1E		1V		1H	
33	330		l I						I I	8×10	90
47	470		1				1	8×10	100	10×10	130
100	101			8×10	140	8 × 10	140	10×10	150	12.5 × 13.5	500
220	221	8×10	140	10×10	190	10 × 10	190	12.5 × 13.5	550	16 × 16.5	850
330	331	10×10	190	12.5 × 13.5	750	12.5 × 13.5	750	16 × 16.5	1000	16 × 16.5	850
470	471	12.5 × 13.5	750	12.5 × 13.5	750	16×16.5	1000	16×16.5	1000	18 × 16.5	950
680	681	12.5 × 16	900	16×16.5	1000	18 × 16.5	1200	18 × 16.5	1200		
000						▲ 16×21.5	1200				[
1000	102	12.5 × 16	900	18×16.5	1200	18×21.5	1550				
1000	102				!		!	▲ 18×21.5	1400		!
2200	222	18 × 16.5	1200	18×16.5	1200		İ		i		i
	222	▲ 16×21.5	1200		Ţ		T		1 I		
3300	332	18×16.5	1200				l I		l I	Case size	Rated
4700	472	18 × 21.5	1550						i	φD×L (mm)	ripple

* In this case, 6 will be put at 12th digit of type numbering system, "A"

• Frequency coefficient of rated ripple current

-	-					
φD	Frequency Cap.(μF)	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more
φ8,φ10	33 to 330	0.47	0.67	0.78	0.91	1.00
. 10 5 1 10	100 to 680	0.53	0.67	0.82	0.89	1.00
φ 12.5 to φ 18	1000 to 4700	0.74	0.87	0.96	0.98	1.00

Rated ripple current (mArms) at 125°C 100kHz

- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
 - Please refer to page 3 for the minimum order quantity.

Mouser Electronics

Authorized Distributor

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Nichicon:

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UUD1V680MCL1GS UUG1C222MNL1ZD UUE1C101MNS1GS UUE1A221MNS1GS UUE1C102MNS1MS
UUE1A222MNS1MS UUE1V101MNS1GS UUE1E101MNS1GS UUE1E331MNS1MS UUE1H101MNS1MS
UUE1H221MNS1MS UUE1H470MNS1GS UUE1V681MNS1MS UUE1H471MNS1MS UUE1A102MNS1MS
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