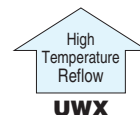


UWJ5.5mmL Chip Type
High Temperature (260°C) Reflow

For SMD

Anti-Solvent
Feature

- Corresponding with 260°C peak reflow soldering
Recommended reflow condition : 260°C peak 5 sec. 230°C over 60 sec. 2 times
- Chip type with 5.5mm height.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine fed with carrier tape.
- Load life of 2000 hours at 85°C
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).
- AEC-Q200 compliant. Please contact us for details.

UWJ

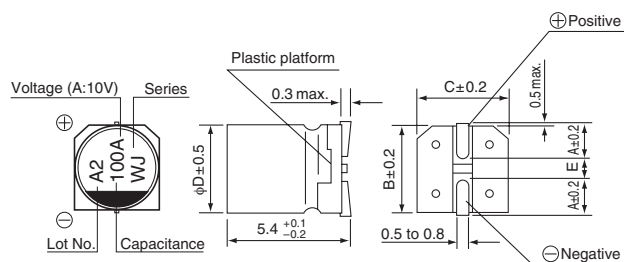
Products which are scheduled to be discontinued.
Not recommended for new designs.

Specifications

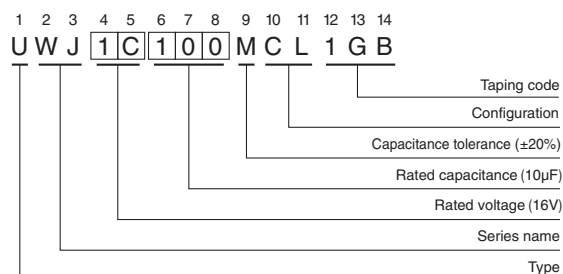
Item	Performance Characteristics															
Category Temperature Range	-40 to +85°C															
Rated Voltage Range	6.3 to 50V															
Rated Capacitance Range	1 to 150μF															
Capacitance Tolerance	± 20% at 120Hz, 20°C															
Leakage Current ※	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 (μA) ,whichever is greater.															
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C															
	Rated voltage (V)	6.3	10	16	25	35	50									
	tan δ (max.)	0.26	0.20	0.16	0.14	0.12	0.12									
Stability at Low Temperature	Measurement frequency : 120Hz															
	Rated voltage (V)		6.3	10	16	25	35	50								
	Impedance ratio	Z(-25°C) / Z(+20°C)	4	3	2	2	2	2								
	ZT / Z20 (max.)	Z(-40°C) / Z(+20°C)	8	8	4	4	3	3								
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 at 85°C.															
									Capacitance change		Within ±20% of the initial capacitance value					
									tan δ		200% or less than the initial specified value					
	Leakage Current		Less than or equal to the initial specified value													
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 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 value					
									tan δ		Less than or equal to the initial specified value					
	Leakage current		Less than or equal to the initial specified value													
Marking	Black print on the case top.															

※ I : Leakage Current (μA), C : Rated Capacitance (μF), V : Rated Voltage (V)

Chip Type



Type numbering system (Example : 16V 10μF)



Voltage

V	6.3	10	16	25	35	50
Code	j	A	C	E	V	H

φD	4	5	6.3
A	1.8	2.1	2.4
B	4.3	5.3	6.6
C	4.3	5.3	6.6
E	1.0	1.3	2.2

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

● Dimension table in next page.

UWJ

■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μ F)	Case Size ϕ D $\times$ L (mm)	$\tan \delta$	Leakage Current (μ A) (at 20°C after 2 minutes)	Rated Ripple (mA _{rms}) (85°C/120Hz)	Part Number
6.3 (0J)	22	4 $\times$ 5.4	0.26	3	28	UWJ0J220MCL1GB
	33	5 $\times$ 5.4	0.26	3	37	UWJ0J330MCL1GB
	47	5 $\times$ 5.4	0.26	3	45	UWJ0J470MCL1GB
	100	6.3 $\times$ 5.4	0.26	6.3	70	UWJ0J101MCL1GB
	150	6.3 $\times$ 5.4	0.26	9.45	71	UWJ0J151MCL1GB
10 (1A)	22	5 $\times$ 5.4	0.20	3	33	UWJ1A220MCL1GB
	33	5 $\times$ 5.4	0.20	3.3	41	UWJ1A330MCL1GB
	47	6.3 $\times$ 5.4	0.20	4.7	52	UWJ1A470MCL1GB
	100	6.3 $\times$ 5.4	0.20	10	76	UWJ1A101MCL1GB
16 (1C)	10	4 $\times$ 5.4	0.16	3	23	UWJ1C100MCL1GB
	22	5 $\times$ 5.4	0.16	3.52	37	UWJ1C220MCL1GB
	33	6.3 $\times$ 5.4	0.16	5.28	49	UWJ1C330MCL1GB
	47	6.3 $\times$ 5.4	0.16	7.52	58	UWJ1C470MCL1GB
	100	6.3 $\times$ 5.4	0.16	16	86	UWJ1C101MCL1GB
25 (1E)	4.7	4 $\times$ 5.4	0.14	3	16	UWJ1E4R7MCL1GB
	10	5 $\times$ 5.4	0.14	3	27	UWJ1E100MCL1GB
	22	6.3 $\times$ 5.4	0.14	5.5	42	UWJ1E220MCL1GB
	33	6.3 $\times$ 5.4	0.14	8.25	52	UWJ1E330MCL1GB
35 (1V)	4.7	4 $\times$ 5.4	0.12	3	18	UWJ1V4R7MCL1GB
	10	5 $\times$ 5.4	0.12	3.5	29	UWJ1V100MCL1GB
	22	6.3 $\times$ 5.4	0.12	7.7	45	UWJ1V220MCL1GB
50 (1H)	1	4 $\times$ 5.4	0.12	3	8.4	UWJ1H010MCL1GB
	2.2	4 $\times$ 5.4	0.12	3	13	UWJ1H2R2MCL1GB
	3.3	4 $\times$ 5.4	0.12	3	17	UWJ1H3R3MCL1GB
	4.7	5 $\times$ 5.4	0.12	3	20	UWJ1H4R7MCL1GB
	10	6.3 $\times$ 5.4	0.12	5	33	UWJ1H100MCL1GB

- For taping specifications, recommended land size/soldering by reflow and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.