

UK

6mmL Chip Type, For general Audio Equipment

series



For SMD



For Audio Use



Anti-Solvent Feature

- Chip type acoustic series.
- Applicable to automatic insertion machine using carrier tape.
- Adapted to the RoHS directive (2002/95/EC)

UK

Chip

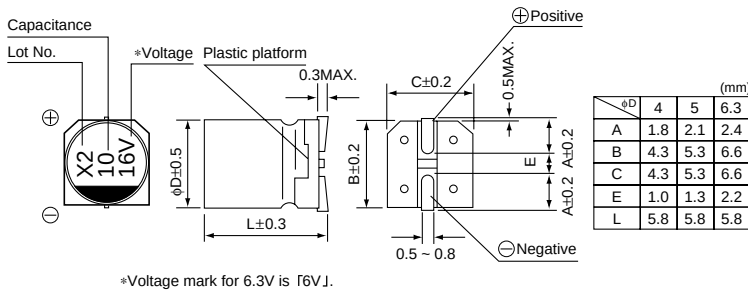
MW



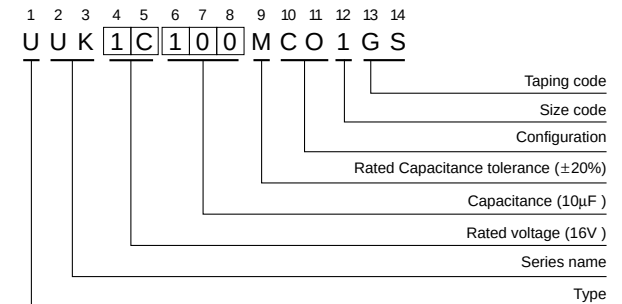
Specifications

Item	Performance Characteristics	
Category Temperature Range	-40 ~ +85°C	
Rated Voltage Range	4 ~ 50V	
Rated Capacitance Range	0.1 ~ 220μF	
Capacitance Tolerance	±20% at 120Hz, 20°C	
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01 CV or 3 (μA), whichever is greater.	
tan δ	Measurement frequency : 120Hz, Temperature : 20°C	
	Rated voltage (V)	4 6.3 10 16 25 35 50
	tan δ (MAX.)	0.35 0.26 0.20 0.16 0.14 0.12 0.12
Stability at Low Temperature	Measurement frequency : 120Hz	
	Rated voltage (V)	4 6.3 10 16 25 35 50
	Impedance ratio Z-25°C / Z+20°C	7 4 3 2 2 2 2
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C 15 8 8 4 4 3 3
Endurance	After 2000 hours' application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right.	
	Capacitance change	Within ±20% of initial value
	tan δ	200% or less of initial specified value
Shelf Life	After storing the capacitors under no load at 85°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.	
	Capacitance change	Within ±10% of initial value
	tan δ	Initial specified value or less
Resistance to soldering heat	The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the characteristics requirements listed at right.	
	Capacitance change	Within ±10% of initial value
	tan δ	Initial specified value or less
Marking	Black print on the case top.	
	Leakage current	Initial specified value or less
	Leakage current	Initial specified value or less

Chip Type



Type numbering system (Example : 16V 10μF)



Dimensions

V		4		6.3		10		16		25		35		50	
Cap.(μF)	Code	0G		0J		1A		1C		1E		1V		1H	
0.1	0R1													4	1.0
0.22	R22													4	2.0
0.33	R33													4	2.8
0.47	R47													4	4.0
1	010													4	8.4
2.2	2R2													4	13
3.3	3R3													4	17
4.7	4R7									4	16	4	18	5	20
10	100							4	23	5	27	5	29	6.3	33
22	220			4	28	5	33	5	37	6.3	42	6.3	46		
33	330	4	28	5	37	5	41	6.3	49	6.3	52				
47	470	4	33	5	45	6.3	52	6.3	58						
100	101	5	56	6.3	70										
220	221	6.3	96											Case size φD	Rated ripple

Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz~
Coefficient	0.70	1.00	1.17	1.36	1.50

- Taping specifications are given in page 24.
- Recommended land size, soldering by reflow are given in page 25, 26.
- Please refer to page 3 for the minimum order quantity.

Rated Ripple(mArms)at 85°C 120Hz