

UZR

3.95mmL MAX. Chip Type



- Chip type with 3.95mmLMAX height.
- 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).

UZS
Smaller

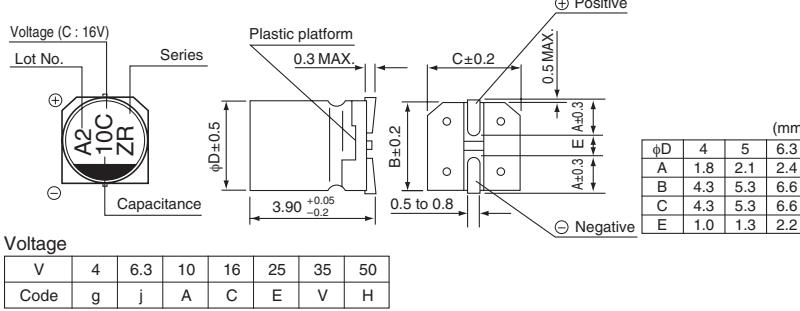
UZR



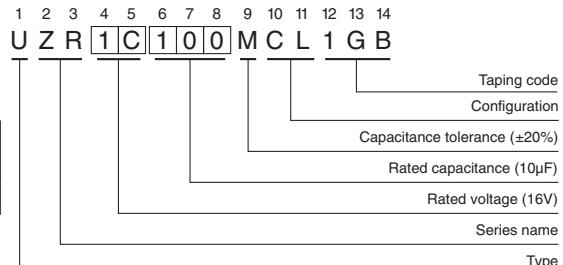
■ Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 to +85°C										
Rated Voltage Range	4 to 50V										
Rated Capacitance Range	1 to 220μF										
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 0.01 CV or 3 (μA), whichever is greater.										
Tangent of loss angle (tan δ)	Rated voltage (V)	4	6.3	10	16	25	35	50			
	tan δ (MAX.)	0.50	0.30	0.24	0.19	0.16	0.14	0.14			
Stability at Low Temperature	Rated voltage (V)	4	6.3	10	16	25	35	50			
	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z+20°C	7	4	3	2	2	2			
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 85°C.				Capacitance change	Within ±30% of the initial capacitance value					
					tan δ	300% or less than 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.										
Marking	Black print on the case top.										

■ Chip Type



Type numbering system (Example : 16V 10μF)



■ Dimensions

Cap. (μF) \ V	4	6.3	10	16	25	35	50
Code	0G	0J	1A	1C	1E	1V	1H
1	010						4
2.2	2R2						4
3.3	3R3						4
4.7	4R7						13
10	100				4	16	5
22	220		4	28	5	33	29
33	330	4	28	5	37	41	33
47	470	4	33	5	45	6.3	46
100	101	5	56	6.3	70		
220	221	6.3	96				

Rated ripple current (mA rms) at 85°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 refer to page 3 for the minimum order quantity.