





- Chip type with 3.0mmL height.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2002/95/EC).

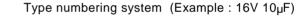


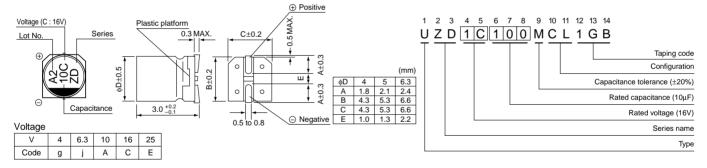


■ Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 to +85°C										
Rated Voltage Range	4 to 25V										
Rated Capacitance Range	2.2 to 100μF										
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.										
Tangent of loss angle (tan δ)	Rated voltage (V)		4	6.3	10	16	25	120Hz 2	120Hz 20°C		
	tan δ (MAX.)		0.50	0.40	0.30	0.24	0.19				
	Rated voltage (V)		4	6.3	10	16	25	120Hz			
Stability at Low	Impedance ratio	Z-25°C / Z+20°C	7	4	3	2	2				
Temperature	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	15	8	8	4	4				
Endurance	The specification	ns listed at right	t shall be me	change Within ±30% of the initial capacitance value							
	capacitors are restored to 20° C after the rated voltage is applied for 1000 hours at 85°C. Leakage curre							300% or less than the initial specified value			
								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 δ Less than or equal to the initial specific tension of the initial capacitant and the initial specific tension of the initial capacitant and the initial specific tension of the initial capacitant and the initial specific tension of the initial capacitant and the initial capacit										
										right when they are removed from the plate and restored to 20°C.	
	Marking	Black print on the case top.									

■Chip Type





■ Dimensions

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V 4		6.3		10		16		25			
Cap. (µF)	Code	0	iG	C)J		1A		1C	1	E
2.2	2R2								-	4	7
3.3	3R3		i		i		İ		İ	4	11
4.7	4R7									4	16
5.6	5R6				İ		İ			5	18
6.8	6R8				l I		1		1	5	20
10	100		i		i		1	5	23	6.3	27
22	220	4	20	5	28	5	33	6.3	37		
33	330	5	28	5	37	6.3	41				
47	470	5	33	6.3	45		1				Rated
100	101	6.3	56	6.3	70				1	φD (mm)	ripple

Rated ripple current (mArms) at 85°C 120Hz

Frequency coefficient of rated ripple current

Transport of tales represented									
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.