ZD 3.0mmL Chip Type series







- 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).



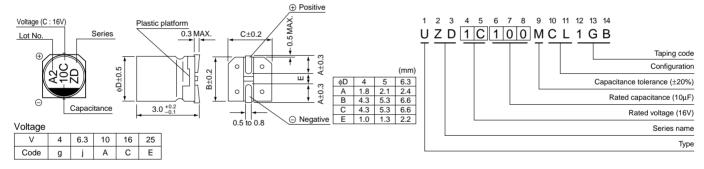


■Specifications

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				
Stability at Low Temperature	Rated voltage (V)		4	6.3	10	16	25	120Hz			
	Impedance ratio	Z-25°C / Z+20°C	7	4	3	2	2				
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	15	8	8	4	4				
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is $\tan\delta$							e change Within ±30% of the initial capacitance value			
								300% or less than the initial specified value			
	applied for 1000 hours at 85°C. Leakage curr						rent	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	Within ±10% of the initial capacitance value									
	250°C. The cap	acitors shall me	et the chara	tan δ		Less than or equal to the initial specified value					
	right when they are removed from the plate and restored to 20°C.							current	Less than or equal to the initial specified value		
Marking	Black print on the case top.										

■Chip Type





■ Dimensions

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

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

Frequency coefficient of rated ripple current

Traduction of tallour ipple carrett									
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.