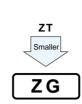
Z G 3.95mmL MAX. Chip Type, Wide Temperature Range series







- ◆ Chip type with 3.95mmLMAX height. Operating over wide temperature range of -40 to +105°C.
- 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).



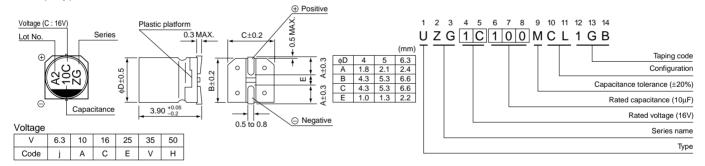


■Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 to +105°C										
Rated Voltage Range	6.3 to 50V										
Rated Capacitance Range	0.1 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.										
T	Rated voltage (V)		6.3	10	16	25	5 35			50	120Hz 20℃
Tangent of loss angle (tan δ)	tan δ (MAX.)		0.38	0.32	0.20	0.10	6	0.14		0.14	
0. 1	Rated voltage (V)		6.3	10	16	25	;	35		50	120Hz
Stability at Low Temperature	Impedance ratio ZT / Z20 (MAX.)	Z-25° C / Z+20°C	6	5	3	3		3		3	
		Z-40° C / Z+20°C	10	10	6	6		4		4	
Endurance	capacitors are r	capacitors are restored to 20° C after the rated voltage is $\tan \delta$					ance change Within ±30% of the initial capacitance values 300% or less than the initial specified value current Less than or equal to the initial specified v				an the initial specified value
Shelf Life	After storing the capacitors under no load at 105° 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

V		6.3		10		16		25		35		50	
Cap. (µF)	Code	0J		1A		1C		1E		1V		1H	
0.1	0R1											4	0.9
0.22	R22										İ	4	2.2
0.33	R33				!		!		!		!	4	2.8
0.47	R47											4	3.3
1	010						!		į		!	4	5.4
2.2	2R2											4	9.6
3.3	3R3				!		1					4	12
4.7	4R7							4	11	4	13	5	16
10	100					4	16	5	20	5	22	6.3	26
22	220	4	19	5	24	5	26	6.3	33	6.3	36		
33	330	5	26	5	30	6.3	35	6.3	42		İ		
47	470	5	32	6.3	40	6.3	44		I I		!		
100	101	6.3	52				İ		i			Case size	Rated ripple

Rated ripple current (mArms) at 105° 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.