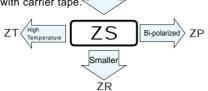
25 4.5mmL Chip Type



- Chip type with 4.5mm 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).



WX

Smaller

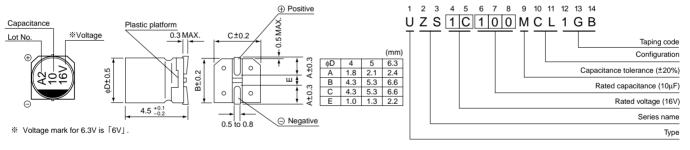


■ Specifications

Item	Performance Characteristics												
Category Temperature Range	-40 to + 85°C												
Rated Voltage Range	4 to 50V												
Rated Capacitance Range	0.1 to 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.												
							Measurement freq				y : 120	Hz at 20°C	;
Tangent of loss angle (tan δ)	Rated voltage (V)		4		5.3	10		16	25		35	50	
	tan δ (MAX.)		0.50	0	.30	0.24		0.19 0.16		6 0.	14	0.14	
	Measurement frequency: 120Hz												
Otability at Law Taranasatura	Rated voltage (V)			4	6.3	3	10	16	2	25	35	50	
Stability at Low Temperature	Impedance ratio	Z-25°C / Z-		7 15	4		3	2		2	2	2	
	ZT / Z20 (MAX.)	Z-40°C / Z-	Z-40°C / Z+20°C		8		8	4		4	3	3	
Endurance	The specifications listed at right shall be met when							itance ch	tance change Within ±20% of the initial capacitance v 200% or less than the initial specified v				
	the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 85°C. tan 8 200% or less than the initial specified value Leakage current 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							Capacitance change Within ±10% of the initial capacitance value					
	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 : $16V 10\mu F$)



Dimensions

	V 4		6.3		10		16		25		35		50		
Cap. (µF)	Code	Code 0G		0J		1A		1C		1E		1V		1H	
0.1	0R1				 									4	1.0
0.22	R22		i		İ		İ		İ				i	4	2.0
0.33	R33													4	2.8
0.47	R47								İ				i	4	4.0
1	010													4	8.4
2.2	2R2		i		i		1		i				i	4	13
3.3	3R3								!					4	17
4.7	4R7		i		İ				İ	4	16	4	18	5	20
10	100		!		!		1	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		1		1						
220	221	6.3	96											Case size	Rated ripple

Rated ripple current (mArms) 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 select UR(p.106), UG(p.114) series if high C/V products are regired.
- Please refer to page 3 for the minimum order quantity.