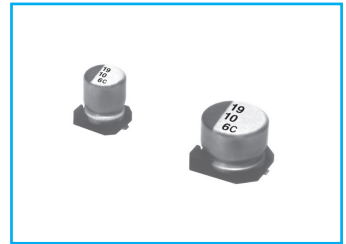


CT Chip type, High Temperature, Low Imp., Series

IZI Low Impedance **S** Solvent Proof



- Chip type, Low Impedance temperature range up to 130°C use
- For ECU
- Application to automatic insertion machine using carrier tape
- Complied to the RoHS directive



Item	Characteristics					
Operating temperature range	-40 ~ +130°C					
Leakage current max.	I = 0.03CV or 4μA whichever is greater (after 2 minutes)					
Capacitance tolerance	±20% (20°C, 120Hz)					
Dissipation factor max. (at 120Hz, 20°C)	Rated Voltage(V)	10	16	25	35	50
	tanδ	0.32	0.24	0.21	0.18	0.18
Low temperature characteristics (Impedance ratio at 120Hz)	WV	10	16	25	35	50
	Z-25°C/Z+20°C	8	6	4	4	4
	Z-40°C/Z+20°C	12	10	8	6	6
Load life (after application of the rated voltage for 2000 hours at 130°C)	Leakage Current	Less than specified value				
	Capacitance Change	Within ±30% of initial value				
	tanδ	Less than 300% of specified value				
Shelf life (at 130°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4					
Resistance to soldering heat	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 250°C for 10 seconds.					
	Leakage Current	Less than specified value				
	Capacitance Change	Within ±10% of initial value				
	tanδ	Less than specified value				

● DRAWING (See page 43)

Unit : mm

-Series code of CT is "C"

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF	WV	10			16			25			35			50		
		33													8×10	0.6
47											8×10	0.6	270	10×10	0.5	315
68					8×10	0.6	270	8×10	0.6	270	10×10	0.5	270	10×10	0.5	315
100	8×10	0.6	270	8×10	0.6	270	8×10	0.6	270	10×10	0.5	315	12.5×13.5	0.4	345	
220	8×10	0.6	270	8×10	0.6	270	10×10	0.5	315	12.5×13.5	0.4	345				
330	10×10	0.5	315	10×10	0.5	315	12.5×13.5	0.4	345							
470	10×10	0.5	315	12.5×13.5	0.4	345										

← Ripple current (mA rms) at 130°C, 100kHz

← Impedance (Ω) at 20°C, 100kHz

← Case size ØD×L(mm)

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	50Hz	120Hz	300Hz	1kHz	10kHz ≤
Coefficient	0.35	0.5	0.64	0.83	1.00