

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

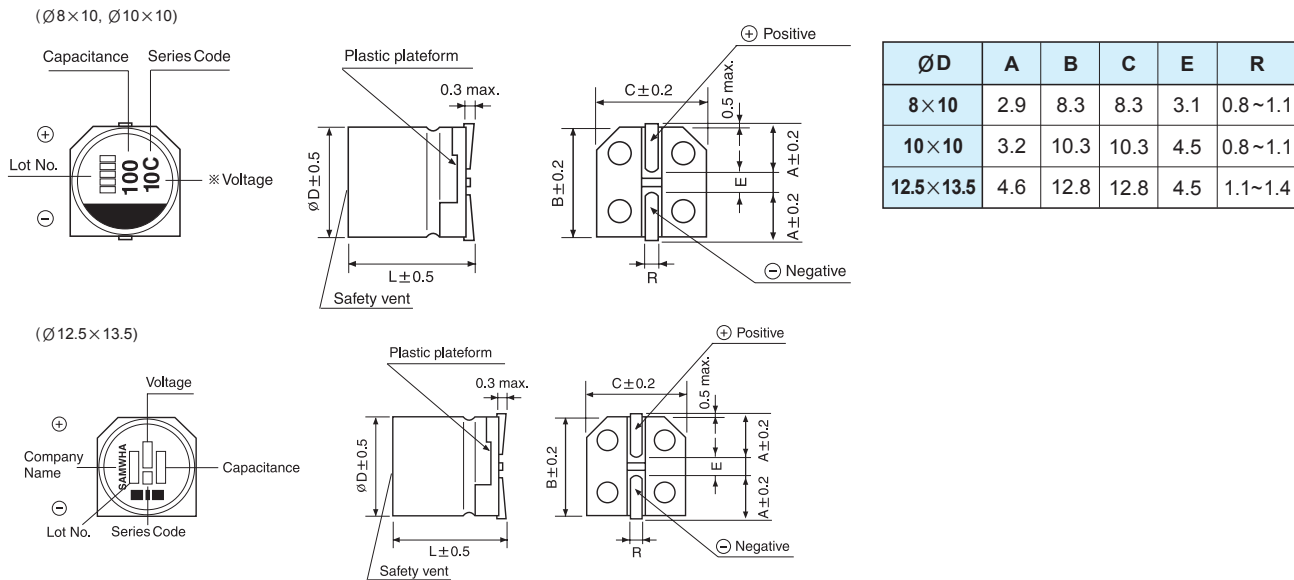
- Chip type, Low Impedance temperature range up to 130°C use
- For ECU
- Application to automatic insertion machine using carrier tape
- Complied to the RoHS directive



Item	Characteristics					
Operating temperature range	-40 ~ +130°C					
Leakage current max.	$I = 0.03CV$ or $4\mu A$ whichever is greater (after 2 minutes)					
Capacitance tolerance	$\pm 20\%$ ( 20°C, 120Hz)					
Dissipation factor max. (at 120Hz, 20°C)	Rated Voltage(V)	10	16	25	35	50
	tan $\delta$	0.32	0.24	0.21	0.18	0.18
Low temperature characteristics (Impedance ratio at 120Hz)	WV	10	16	25	35	50
	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 $\pm 30\%$ of initial value				
	tan $\delta$	Less than 300% of specified value				
Shelf life (at 130°C)	After 1000 hours no load test, leakage current, capacitance and tan $\delta$ are same as load life value.					
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 30 seconds.					
	Leakage Current	Less than specified value				
	Capacitance Change	Within $\pm 10\%$ of initial value				
	tan $\delta$	Less than specified value				

### DRAWING

Unit : mm



### DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

$\mu F$	WV	10			16			25			35			50		
33														8×10	0.6	270
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 ( $\Omega$ ) at 20°C, 100kHz  
Case size  $\varnothing D \times L$  (mm)