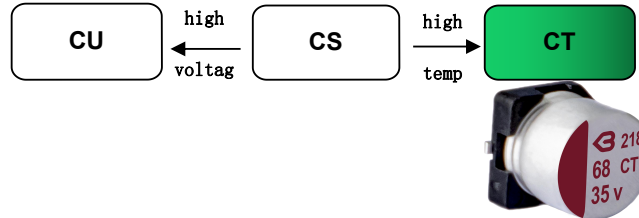


CT Series

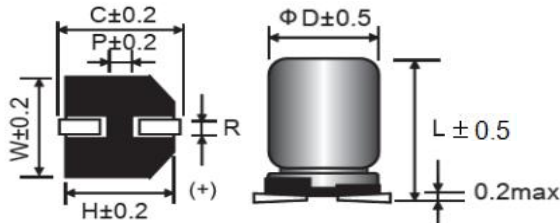
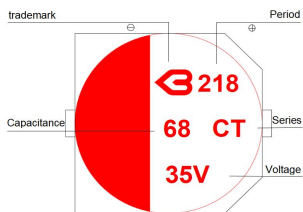
- Super low impedance, high ripple, high temperature resistant
- Load life of 2000 hours at 125°C
- SMD type: lead free reflow soldering condition at 260°C peak correspondence
- RoHS Compliant



◆ Specifications

Items	Characteristics		
Category	-55 ~ +125℃		
Temperture Range	-55 ~ +125℃		
Rated Voltage Range	4 ~ 100V		
Capacitance tolerance	±20%(M) (at 20℃,120Hz)		
Leakage Current	After 2 minutes applied for rated voltage at 20℃, less than or equal to the specified value.		
tanδ	Less than or equal to the specified (at 20℃,120Hz)		
Dissipation Factor	Less than or equal to the specified (at 20℃,120Hz)		
Low Temperture Characteristics (Max.Impedance Ratio)	Z(-25℃)/Z(+20℃)	≤1.25	(100KHz)
	Z(-55℃)/Z(+20℃)	≤1.25	
Endurance	The specifications listed below shall be satisfied when the capacitors are restored to 20℃ after applying rated is applied for 2000 hours at 125℃.		
	Appearance	No significant damage	
	Capacitance change	≒±20% of the initial value	
	D.F.(tanδ)	≒150% of the specified value	
	ESR	≒150% of the specified value	
	Leakage current	≒The specified value	
Damp Heat (Steady State)	The specifications listed below shall be met when the capacitors are restored to 20℃ after the rated voltage is applied for 1000 hours at 60℃, 90%~ 95% RH.		
	Appearance	No significant damage	
	Capacitance change	≒±20% of the initial value	
	D.F.(tanδ)	≒150% of the specified value	
	ESR	≒150% of the specified value	
	Leakage current	≒The specified value	
(Surge Voltage)	Surge Voltage=Rated voltage * 1.15(V) The capacitors shall be subjected to 1,000 cycles each consisting of charge with the surge voltages specified at 15~35℃ for 30 seconds through aprotective resistor (R=1kΩ) and discharge for 5 minutes 30seconds		
	Appearance	No significant damage	
	Capacitance change	≒±20% of the initial value	
	D.F.(tanδ)	≒150% of the specified value	
	ESR	≒150% of the specified value	
	Leakage current	≒The specified value	
Resistance to soldering heat	After soldering the capacitor shall meet the specifications listed below.		
	Capacitance change	≒±10% of the initial value	
	D.F.(tanδ)	≒130% of the specified value	
	ESR	≒130% of the specified value	
	Leakage current	≒The specified value	

◆ Dimensions (mm)



ΦD	5	6.3	8	8	10	10
L	6	6	7	12.0	8.0	12.6
W	5.3	6.6	8.3	8.3	10.3	10.3
H	5.3	6.6	8.3	8.3	10.3	10.3
C	6	7.3	9.0	9.0	11.0	11.0
R	0.5~0.8	0.5~0.8	0.8~1.1	0.8~1.1	0.8~1.1	0.8~1.1
P	1.4	2.1	3.2	3.2	4.6	4.6

CT Series

◆ Standard Ratings

Rated voltage (V)	Rated capacitance (μF)	Case size ΦD*L(mm)	Leakage current (μA)	tanδ (120Hz)	ESR(mΩ) at 20°C, 100 KHz	Rated ripple current (mA _{rms} /105°C /100kHz)	Rated ripple current (mA _{rms} /125°C \100kHz)
4	150	6.3*6	500	0.12	35	2450	700
	680	10*8	544	0.12	25	3700	1057
6.3	82	6.3*6	500	0.12	40	2400	686
	100	6.3*6	500	0.12	40	2400	686
10	120	8*7	500	0.12	35	2800	800
	150	8*7	500	0.12	35	2800	800
	330	10*8	660	0.12	30	3700	1057
16	39	6.3*6	500	0.12	50	2050	586
	47	6.3*6	500	0.12	80	1260	450
	82	8*7	500	0.12	40	2700	711
	150	10*8	500	0.12	35	3020	863
	180	10*8	576	0.12	35	3020	863
	220	8*12	704	0.12	20	3220	889
	270	8*12	864	0.12	20	4000	1250
	330	8*12	1056	0.12	20	4200	1350
	470	8*12	1504	0.12	20	4300	1433
	680	10*12	2176	0.12	18	4900	1400
25	22	6.3*6	500	0.12	70	1300	400
	47	6.3*7	500	0.12	60	1500	500
	82	10*8	500	0.12	45	2400	686
	100	10*12	500	0.12	30	4320	1234
	150	10*12	750	0.12	45	4320	1234

◆ Rated Ripple Current Coefficient

Frequency(Hz)	120Hz≤f<1kHz	1kHz≤f<10kHz	10kHz≤f<100kHz	100kHz≤f<500kHz
Coefficient	0.05	0.30	0.70	1.00