



承认书

SPECIFICATION FOR APPROVAL

CL 11

(DESCRIPTION) Polyester Film Capacitor (Inductive)

(CUSTOMER) _____

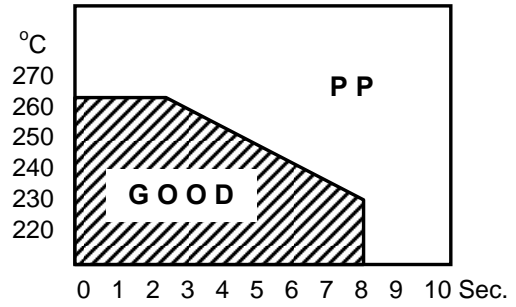
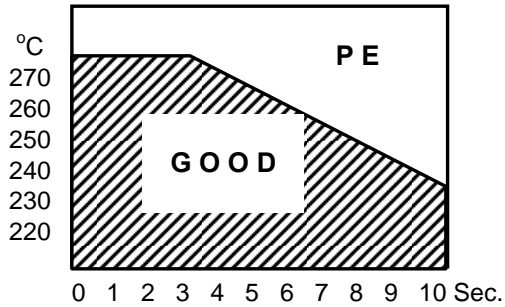
(DATE) _____

CUSTOMER'S APPROVAL:

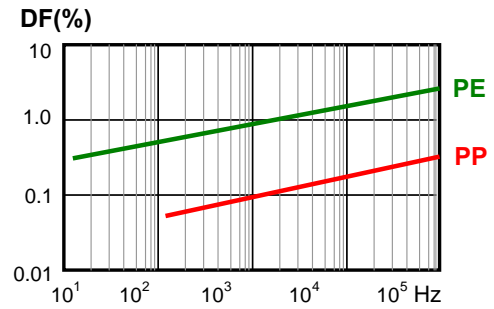
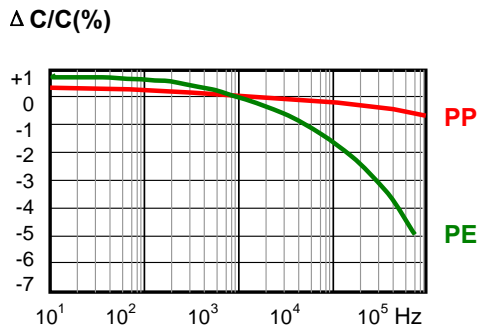
★ Characteristics		TYPE(规格) :CL11	
No.	Test items	Test method	Characteristics
1	Climatic Category	/	40/105/21
2	Rated voltage	/	50V — 630VDC
3	Withstand Voltage(TV)	200% of rated voltage for 5sec.	Shall be no abnormality.
4	Capacitance(CAP)	Measuring Frequency:1KHz±10%. Measuring Voltage :1Vrms.max.	0.001uF — 0.47uF
5	Tolerance (%)	/	J(±5%); K (±10%)
6	Dissipation Factor(DF)	Measuring Frequency:1KHz±10%. Measuring Voltage :1Vrms.max.	0.01 (1%)max. at 1 KHz.
7	Insulation resistance(IR)	Apply 100V±15%for 60±5sec.at+20 ±2℃ .	≥30,000MΩ(C≤0.33uF) ≥10,000MΩ·uF/C (C>0.33uF)
8	Terminal Strength	Tensile Apply 1.0 kg for 10 ± 1sec. to the terminal in the axial direction, and acting in a direction away from the body.	Shall be no abnormality.
9		Bending Apply 0.5 kg for 2 cycles. Each cycle includes: 90°once, return to its initial position for 2-3 sec. and then to the opposite direction once.	Shall be no abnormality.
10	Solderability	Soldering temperature:250 ±3℃ ; Immersion duration: 2.0 ±0.5sec	Good Tinning.
11	Soldering Heat Resistance	Soldering Temperature : +260 ± 5℃ . Immersion Duration : 10 ±1sec.	CAP(ΔC/C) Within ±2% of the value before test. DF 0.003(0.3%) max.at 1KHz
12	Rapid Temperature Change	Test Temperature Cycle : Total 5 cycles. High Temperature : +105±5℃ Low Temperature : -40 ±5℃ 30 min ± 10% for each temperature.	Shall be no abnormality. CAP(ΔC/C) Within ±5% of the value before test. DF 0.003(0.3%) max.at 1KHz
13	Damp Heat Loading	Test temperature :+40 ± 2℃ Test humidity : 90% to 95% R.H. Test voltage : rated voltage. Test duration : 500 +24/-0 hrs.	Shall be no remarkable change. The marking shall be legible. CAP(ΔC/C) Within ±5% of the value before test. DF 0.005 (0.5%) max.at 1KHz
14	Climatic Sequence	Dry heat	Temperature: 105℃,Duration: 16 hrs.
		Humid Cool	—40℃,Duration: 2 hrs.
		Air pressure	Temperature: 15℃—35℃,Pressure: 8.5KPa; Duration: 1 hrs; After experiment, applied vottage 1 min.
		Temperature Cycle	Test Temperature Cycle:Total 5 cycles. Each cycle includes : 1. +20 ±2℃ for 3min. 2. -40 ±3℃ for 30 min. 3. +20 ±2℃ for 3min. 4. +100 +3/-0℃ for 30 min. 5. +20 ±2℃ for 3 min.
			Shall be no abnormality. Shall be no remarkable change. CAP(ΔC/C) Within ±5% of the value before test. DF 0.005(0.5%) max.at 1KHz
15	Durability	105℃,Applied 1.25 multiple rate voltage, Duration: 1000 hours (41.6 days)	No visible damage and clear mark; CAP(ΔC/C) Within ±5% of the value before test. DF 0.005 (0.5%) max.at 1KHz IR≥50% of the limit value of No. 7
16	Charge & Discharge	Experiment period :10000 times; Charge duration: 0.5s; Discharge duration: 0.5s;	CAP(ΔC/C) Within ±5% of the value before test. DF 0.005 (0.5%) max.at 1KHz IR≥50% of the limit value of No. 7

CHARACTERISTICS REFERENCE

Soldering Temperature VS Time



Frequency Characteristics



Temperature Characteristics

