



/Electromagnetic interference suppression capacitor

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7. Specifications ()

No	Test items	Performance	Test Method
7-1	Withstand voltage (Between Terminals)	Shall be no abnormality	1200VDC, 1 sec.
	Between terminal and Enclosure	Shall be no abnormality	2000 V, 1 sec.
7-2	Insulation resistance (Between Terminals)	$C_R \leq 0.33\mu F$ IR $\geq 1,000M$ $C_R > 0.33\mu F$ IR $\geq 5,000.S$	Measured at 100 15VDC, For 60sec / 25
7-3	Capacitance	Within the tolerance specified	1KHz, 1Vrms Max. at 25
7-4	Dissipation Factor	0.001 (0.1%) Max.	1KHz, 1Vrms Max. at 25
-5	Tense Strength of Terminal	No wire breakage and No Damage of Capacitor	1. Load Force : 1.0 Kg 2. Holding Time : 10 1sec
7-6	Bending Strength of Terminal	No wire breakage and No Damage of Capacitor	1. Load Force : 0.5 Kg 2. Bending Time : 4 x 90 in 5sec
7-7	Vibration	1 Appearance : No Visible Damage 2 Contact : Normal	a. Frequency change : 1min. per cycle 10-55-10Hz b. Vibration distance : 1.5mm c. course: X Y Z (axis) d. Time : 2h /axis (6h in total)
7-8	Solder-ability	75% Of The Surface Tinning	a. Solder temperature: 230 5 b. Solder time: 2 0.5sec
7-9	Heat Shock test	1 Appearance : No Visible Damage 2 Withstand Voltage : Normal 3 Capacitance Change : $\pm 3\%$ of The Initial Value	The terminal of capacitor shall be immersed in the melting solder. a. Solder temperature: 230 5 b. Solder time: 3 0.5sec c. Test Voltage: 150% of The Rate Voltage For 1min
7-10	Cold Resistance	1 Appearance : No Visible Damage 2 Capacitance Change : 0- -10% of The Initial Value	a. Test Temperature: -40 b. Test Times: 2Hrs



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No	Test items	Performance	Test Method
7-11	Dry Heat Resistance	1 Appearance : No Visible Damage 2 Withstand Voltage : Normal 3 Capacitance Change : +5- -2% Of The Initial Value (4) Insulation Resistance: 50%of the rated value	a TEST TEMPERATURE: 110 2 b. Test Times: 2Hrs
7-12	Humidity Resistance	(1) Appearance : No Visible Damage (2) Withstand Voltage : Normal (3) Capacitance Change : 10% of The Initial Value (4) Insulation Resistance: 50%of the rated value (5) DF (tan) 0.001	a TEST TEMPERATURE: 40 2 b. RELATIVE HUMIDITY: 90 ~ 95% c. Test Times: 240 8 HRS d TEST VOLTAGE: 130% of The Rated Voltage for 1 min
7-13	Heat Resistance (Charge & Discharge)	(1) Appearance : No Visible Damage (2) DF (tan) 0.001 (3) Capacitance Change : 10% of The Initial Value (4) Insulation Resistance: 50%of the rated value	a Test Voltage : Rated Voltage Charge for 2 sec. Discharge for 2 sec. Repeated For 10,000 cycles
7-14	Heat Resistance (Continuous)	(1) Appearance : No Visible Damage (2) DF (tan) 0.001 (3) Capacitance Change : 7% of The Initial Value (4) Insulation Resistance: 50%of the rated value	a Test Voltage : 125% of The Rated Voltage for 1000Vrms for 0.1s every one hour during tset. b. Test Temperature: 110 2 c. Test Times: 1000
7-15	Passive flammability	The flaming time of each capacitor shall Not go beyond 30s after it is taken apart From the flame. Drop of each capacitor caused by flame Shall not fire-the tissue below.	Needle flame test The category of flammability: C Expose time : 1 time Capacitor Volume Exposing time $250 < V(\text{mm}^3)$ 500 10s $500 < V(\text{mm}^3)$ 1750 20s $V(\text{mm}^3) > 1750$ 30s