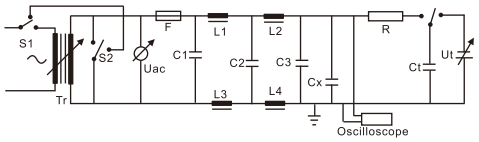
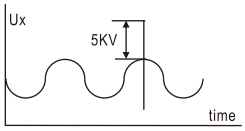
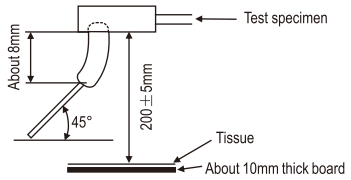
Specifications test methods

Specifications Test Methods

Continued from the preceding page.

No.	Item		Specifications	Testing Method
17	Active Flammability		The cheese-cloth should not be on fire.	The capacitor should be individually wrapped in at least one but not more than two complete layers of cheesecloth. The capacitor should be subjected to 20 discharges. The interval between successive discharges should be 5 sec. The UAC should be maintained for 2 min. after the last discharge.  $C_{1,2}$: 1μF±10% C_3 : 0.033μF±5% 10kV $L_{1\ to\ 4}$: 1.5mH±20% 16A Rod core choke C_t : 3μF±5% 10kV R : 100Ω±2% C_x : Capacitor under test U_{AC} : U_R±5% F : Fuse, Rated 10A U_R : Rated Voltage U_t : Voltage applied to C_t 
18	Passive Flammability		The burning time should not exceed 30 sec. The tissue paper should not ignite.	The capacitor under test should be held in the flame in the position which best promotes burning. Each specimen should only be exposed once to the flame. Time of exposure to flame: 30 sec. Length of flame : 12±1mm Gas burner : Length 35mm min. Inside Dia. 0.5±0.1mm Outside Dia. 0.9mm max. Gas : Butane gas Purity 95% min. 
19	**Temperature and Immersion Cycle**	Appearance	No marked defect.	The capacitor should be subjected to 5 temperature cycles, then consecutively to 2 immersion cycles. <Temperature Cycle> Step / Temperature (deg) / Time (min) 1 / -25+0/-3 / 30 2 / Room temp. / 3 3 / 125+3/-0 / 30 4 / Room temp. / 3 Cycle time: 5 cycle <Immersion Cycle> Step / Temperature (deg) / Time (min) / Immersion Water 1 / 65+5/-0 / 15 / Clean water 2 / 0±3 / 15 / Salt water Cycle time: 2 cycle Pre-treatment: Capacitor should be stored at 85±2°C for 1 hr., then placed at room condition*1 for 24±2 hrs. Post-treatment: Capacitor should be stored for 24±2 hrs. at room condition*1.
		Capacitance Change	C: Within ±2.5% L: Within ±5.0% X, B. E: Within ±10% F: Within ±15%	
		tanδ or Q	Char. / Specifications C, L: $Q \geqslant 400+20C_R$ (C_R<30pF); $Q \geqslant 1000$ ($C_R \geqslant$30pF) X, B, E: tanδ≤0.025 F: tanδ≤0.050	
		I. R.	3000MΩ min.	
		Dielectric Strength	Per Item 6.	

*1 "room condition" Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmospheric pressure: 86 to 106kPa