METAL OXIDE VARISTOR

Performance Characteristics – Environmental

Characteristics	Test Method	Specifications
High Temperature Storage/ Dry Heat	The specimen shall be subjected to 125 ±2℃ for 1000 hours in a thermostatic bath without load and then stored at room temperature and humidity for 1 to 2 hors. Thereafter, the change of Vc shall be measured.	
Damp Heat/Humidity (Steady State)	The specimen shall be subjected to 40±2℃, 90to 95% RH for 1000 hours without load and then stored at room temperature and humidity for one to two hours. Thereafter, the change of Vc shall be measured.	
Temperature Cycle	The temperature cycle shown below shall be repeated five times and then stored at room temperature and humidity for 1 to 2 hours. The change of Vc and mechanical damage shall be examined. Step / Temperature(℃) / Period (minutes) 1 / -40±3 / 30±3 2 / Room temperature / 15±3 3 / 125±2 / 30±3 4 / Room temperature / 15±3	$\Delta V_{cmA}/V_{cmA} \leqq \pm 5\%$
High Temperature Load/ Dry Heat Load	After being continuously applied the Maximum Allowable Voltage at 85±2℃ for 1000 hours, the specimen shall be stored at room temperature and humidity for 1 to 2 hours. Thereafter, the change of Vc shall be measured.	$\Delta V_{cmA}/V_{cmA} \leqq \pm 10\%$
Damp Heat Load/Humidity Load	The specimen shall be subjected to 40±2℃, 90 to 95% RH and the Maximum Allowable Voltage for 1000 hours and then stored at room temperature and humidity for 1 to 2 hours. Thereafter, the change of Vc shall be measured.	$\Delta V_{cmA}/V_{cmA} \leqq \pm 10\%$
Low Temperature Storage/Cold	The specimen shall be subjected to -40±2℃ without load for 1000 hours and then stored at room temperature for 1 to 2 hours. Thereafter, the change of Vc shall be measured.	$\Delta V_{cmA}/V_{cmA} \leqq \pm 5\%$