

## **ZINC OXIDE VARISTOR**

## **ENVIRONMENTAL RATINGS**

Item	Test Condition/Description			Requirement
High Temperature storage	hours in a therm at room tempera	shall be subjected to 12 nostatic bath without lo ature and humidity for change of Vb shall be r		
Humidity	R,H,for 1000 ho temperature and	hall be subjected to 40 urs without load and th d humidity for one to tw change of Vb shall be n	<u>∆Vb</u> ≤ ±10%	
Thermal shock	times and then st for one to two ho	e cycle shown below sh tored at room temperat urs. b as well as mechanica		
		Temperature	Period	
	2	-25°C(-13° F) 85°C(-185° F)	30 Minutes 30 Minutes	
High Temperature Operation	voltage at 85°C( be stored at room hours.	inuously applied the m 185°F) for 1000 hours, m temperature and hur change of Vb shall be n	<u>△Vb</u> ≤±10% Vb	

## MECHANICAL RATINGS

Item	Test Condition/Description	Requirement
Terminal pull strength	After gradually applying the load specified below and keeping the unit fixed for ten seconds, the terminal shall be visually examined for any damage.  Terminal diameter Load  0.6mm(.024") 0.5kg(1.1lbs)  0.8mm(.031") 1.0kg(2.2lbs)  1.0mm(.039") 2.0kg(4.4lbs)	
Terminal Bending strength	The unit shall be secured with its terminal kept vertical and the weight specified below be applied in the axial direction.  The terminal shall gradually be bent by 90° in one direction, then 90° in the opposite direction, and again back to the original position. The damage of the terminal shall be visually examined.  Terminal diameterLoad	No outstanding damage
Solderability	After dipping the terminal to a depth of approximately 3mm(.118") from the body in a soldering bath of 260°C (500°F) for three seconds, the terminal shall be visually examined.	Almost all the surface should be covered with solder uniformly
Resistance to Soldering Heat	The terminal shall be dipped into a soldering bath having a temperature of 350°C (660°F) to a point 3 mm(.118") from the body of the unit and then be held there for three seconds. The change of Vb and mechani-cal damage shall be examined.	△vb/vb≤ ±5% No outstanding damage