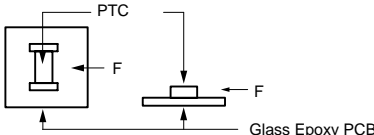
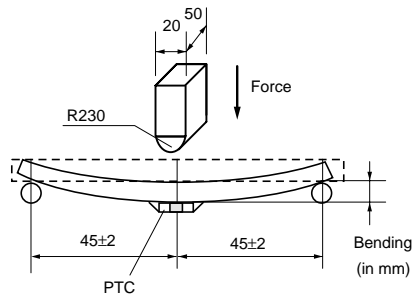
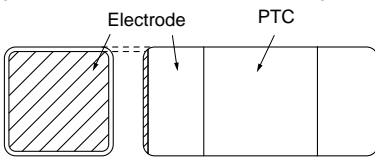




No.	Item	Rating Value	Method of Examination									
1	Resistance Value (at 25°C)	The resistance value should be within the specified tolerance.	After applying maximum operating voltage for 3 minutes and leaving for 2 hours at 25°C, measured by applying voltage of less than 1.5Vdc (by a direct current of less than 10mA).									
2	Adhesive Strength	There is no detachment sign of electrode.	EIAJ ET-7403 term 9 Prepare soldered PTC to PCB *1 and add the force of 5.0N in the direction shown below. (PTC=POSISTOR®) 									
3	Vibration Resistance	Normal appearance Resistance change: not to exceed $\pm 20\%^{*2}$	Soldered PTC to PCB*1 Vibration: 10-2000-10Hz (20 minutes) Max. Amplitude: 3.0mm Vibrate for 4 hours in each of 3 mutually perpendicular planes for a total of 12 hours. This test condition is according to "MIL-STD-204D"									
4	Resistance to Bending of Substance	Normal appearance Resistance change: not to exceed $\pm 20\%^{*2}$	Soldered PTC on Test Board*1, and apply force on back side of Test Board shown below: Bending Speed: 1.0mm/s Bending Strength: 2.0mm Hold time: 5 \pm 1 seconds Board Dimension: 100 \times 40 \times 1.6t mm Board Material: Glass Epoxy 									
5	Solderability	Min. 95% electrode is covered with new solder. Resistance change: not to exceed $\pm 20\%^{*2}$	JIS C 5102 term 8.4 Solder temp.: 230 \pm 5°C Solder: Sn63%/Pb37% (or 60%/40%) Soaking time: 3 \pm 0.5 seconds Soaking position: Until a whole electrode is soaked									
6	Soldering Heat Resistance	Resistance change: not exceed $\pm 20\%^{*2}$ Normal appearance on the section showed by slanting line parts of the electrodes on the figure. 	Solder temp.: 260 \pm 5°C Solder: Sn63%/Pb37% (or 60%/40%) Flux: Containing less than 0.2wt% of chlorine. Soaking time: 10 \pm 0.5 seconds Soaking position: Until a whole electrode is soaked. Preheating: 150 \pm 5°C 3 minutes									
7	Dry Heat Resistance	Normal appearance Resistance change: not to exceed $\pm 20\%^{*2}$	Soldered PTC to PCB*1 +150 \pm 3°C leave for 1000 \pm 12 hours									
8	Cold Resistance		Soldered PTC to PCB*1 -40 \pm 3°C leave for 1000 \pm 12 hours									
9	Damp Heat Resistance		Soldered PTC to PCB*1 +85 \pm 3°C 80-85%RH leave for 1000 \pm 12 hours									
10	Thermal Shock*3		Soldered PTC to PCB*1 Cycles: 1000 cycles <table border="1" data-bbox="933 1870 1332 1937"> <thead> <tr> <th>Step</th> <th>Temp. (°C)</th> <th>Time (minutes)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-55\pm0, -3</td> <td>30</td> </tr> <tr> <td>2</td> <td>+125\pm3, -0</td> <td>30</td> </tr> </tbody> </table>	Step	Temp. (°C)	Time (minutes)	1	-55 \pm 0, -3	30	2	+125 \pm 3, -0	30
Step	Temp. (°C)		Time (minutes)									
1	-55 \pm 0, -3	30										
2	+125 \pm 3, -0	30										
11	High Temperature Humidity Load	Soldered PTC to PCB*1 85 \pm 3°C, 80-85%RH (in air), load max. operating voltage for 1000 \pm 12 hours										

Continued on the following page. 

 Continued from the preceding page.

No.	Item	Rating Value	Method of Examination
12	High Temperature Load	Normal appearance Resistance change: not to exceed $\pm 20\%^{*2}$	Soldered PTC to PCB ^{*1} +85 \pm 3°C (in air), load max. operating voltage for 1000 \pm 12 hours.

*1 Above mentioned soldering is done under the following conditions at our site.

- Glass-Epoxy PC board
- Standard land dimension
- Standard solder paste
- Standard solder profile

Above conditions are mentioned in Notice.

*2 Measure resistance after the test by applying voltage of less than 1.5Vdc by a direct current of less than 10mA after product is left at 25 \pm 2°C for 2 hours.

*3 We cannot guarantee the resistance change in Thermal Shock (No.10) in case of defective mounting.