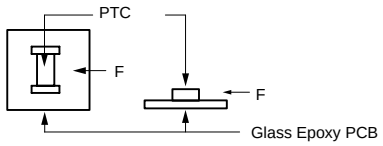
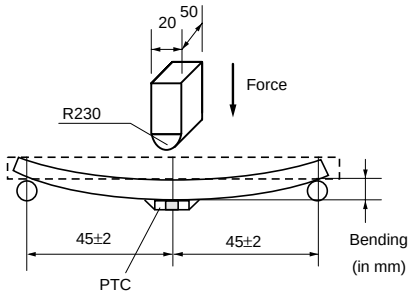
No.	Item	Rating Value	Method of Examination
1	Resistance Value (at 25°C)	The resistance value should be within the specified tolerance.	After applying maximum operating voltage for 3 minutes and leaving for 2 hours at 25°C, measure by applying voltage of less than 1.5VDC (by a direct current of less than 10mA).
2	Adhesive Strength	There is no sign of electrode detachment.	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	There is no abnormal appearance after the test. Resistance change is less than ±20%. *2	Solder 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-202G Method 204D."
4	Resistance to Bending of Substance	There is no abnormal appearance after the test. Resistance change is less than ±20%. *2	Solder 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±1 seconds Board Dimension: 100x40x1.6t mm Board Material: Glass Epoxy 
5	Solderability	Min. 95% electrode is covered with new solder. Resistance change is less than ±20%. *2	· Solder Temp.: 230±5°C · Solder: Sn63%/Pb37% (or 60%/40%) · Soaking Time: 3±0.3 secs. · Soaking Position: Until a whole electrode is soaked. This test condition is according to "IEC 60068-2-58 (2004)."
6	Soldering Heat Resistance	There is no abnormal appearance after the test. Resistance change is less than ±20%. *2	· Solder Temp.: 260±5°C · Solder: Sn63%/Pb37% (or 60%/40%) · Flux: Containing less than 0.2wt% of chlorine. · Soaking Time: 10±1 secs. · Soaking Position: Until a whole electrode is soaked. · Preheating: 150±5°C 3 mins This test condition is according to "IEC 60068-2-58 (2004)."

*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 defined 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±2°C for 2 hours.

Continued on the following page.

Continued from the preceding page.

<table>
<tr><th>No.</th><th>Item</th><th>Rating Value</th><th>Method of Examination</th></tr>
<tr><td>7</td><td>Dry Heat Resistance</td><td rowspan="7">There is no abnormal appearance after the test.
Resistance change is less than ±20%. *2
<Tight Tolerance Type>
Sensing temp. change is less than ±1°C.</td><td>Solder PTC to PCB *1
+150±3°C leave for 1000±12 hours</td></tr>
<tr><td>8</td><td>Cold Resistance</td><td>Solder PTC to PCB
-40±3°C leave for 1000±12 hours</td></tr>
<tr><td>9</td><td>Damp Heat Resistance</td><td>Solder PTC to PCB *1
+85±3°C 80-85%RH leave for 1000±12 hours</td></tr>
<tr><td>10</td><td>Thermal Shock 1 *3</td><td>Solder PTC to PCB *1
Test Cycle: 300 cycles
<table><tr><th>Step</th><th>Temp. (°C)</th><th>Time (minute)</th></tr><tr><td>1</td><td>-55+0, -3</td><td>30</td></tr><tr><td>2</td><td>+150+3, -0</td><td>30</td></tr></table></td></tr>
<tr><td>11</td><td>Thermal Shock 2 *3</td><td>Solder PTC to PCB *1
Test Cycle: 1000 cycles
<table><tr><th>Step</th><th>Temp. (°C)</th><th>Time (minute)</th></tr><tr><td>1</td><td>-55+0, -3</td><td>30</td></tr><tr><td>2</td><td>+125+3, -0</td><td>30</td></tr></table></td></tr>
<tr><td>12</td><td>High Temperature Humidity Load</td><td>Solder PTC to PCB *1
85±3°C, 80-85%RH (in air), load max. operating voltage for 1000±12 hours</td></tr>
<tr><td>13</td><td>High Temperature Load</td><td>Solder PTC to PCB *1
85±3°C (in air), load max. operating voltage for 1000±12 hours.</td></tr>
</table>

*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 defined 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±2°C for 2 hours.

*3 We cannot guarantee the resistance change in Thermal Shock (No.10, 11) in a case of defective mounting.