■ PRF15 Series

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	Vibration	Normal appearance Resistance change: not to exceed ±20% (*)	JIS C 5102 term 8.2 Soldered PTC to PCB 　Vibration: 10-55-10Hz (1 min.) 　Width: 1.5mm 　Vibrate for 2 hours in each of 3 mutually perpendicular 　planes for a total of 6 hours.
3	Solderability	Min. 75% electrode is covered with new solder. Resistance change: not to exceed ±20% (*)	JIS C 5102 term 8.4 　Solder: Sn 63%/Pb 37% (or 60/40%) 　Solder temp: 230±5°C 　Soaking time: 3±0.5 seconds. 　Soaking position: Until a whole electrode is soaked.
4	Solder-heatability	Normal appearance Resistance change: not to exceed ±20% (*)	Solder: Sn 63%/Pb 37% (or 60/40%) Flux: Solder paste containing less than 0.2wt% of chlorine. Preheating: 150±5°C 3 minutes. Peak temp.: 260±5°C 10±5 seconds. (reflow) PCB: Glass Epoxy PCB (JIS C 6484)
5	Temperature Cycling	Normal appearance Resistance change: not to exceed ±20% (*)	JIS C 5102 term 9.3 Times: 5 cycles | Step	Temp. (°C)	Time (minute)
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1	-20 +0, -3	30
2	Room temp.	10-15
3	+150 +3, -0	30
4	Room temp.	10-15	
6	Humidity Test	Normal appearance Resistance change: not to exceed ±20% (*)	JIS C 5102 term 9.5 40±2°C, 90-95%RH leave for 500±8 hours.
7	High Temperature Load Test	Normal appearance Resistance change: not to exceed ±20% (*)	JIS C 5102 term 9.10 85±5°C (in air), load maximum operating voltage for 1000±12 hours.

(*) Measurement 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.

Above mentioned soldering in "2. Vibration" is done following condition at our side.
- Glass-Epoxy PC board
- Standard land dimension
- Standard solder paste
- Standard solder profile

Above conditions are mentioned in Notice.