L//L65114	DDIMOOC 00 A4
乂1午編號:	BRW006-02-A4

正式認可

零件認可書

暫認可第_

次,限量_

報表編號:

PCS

9611001

本認可書依下列打∨之指示處理之。

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 材	料編		品名	泅度 9	SENSOR GJ			
1/2	VE50C000	(A)	規格	1386 T/OR. 1974	2_0	3ET-1S87P-7	0370	li .
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備	確認方式測試數據	□ 自制	標準品	〕廠商測 〕實際測	試資料 [試・ [□ 客戶指定□ 物料規格		管制文件 Under Controlled
	IQC 檢驗フ	方式: ● ラ	檢查規格、	數量與採	購單是否一	致		
註			目視檢查(檢查重要尺 實際組配 檢查性能 物料規格檢 特殊檢驗條	類色、污寸动動報告表	點、刮傷)			
	認可日期	廠商	商名稱		零 件	代 號		備 註
	2004/01	SEN	MITEC		833ET-1S8	87P-70370		
認可	2					4		
可廠商資料							1	
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THERMISTOR SPECIFICATION

Application:	A	
	В	
Your spec.No.:	С	

This specification defines electrical requirements, ratings, dimensions and reliability for the ET type thermistor.

TYPE No. 833ET-1S87P-70370

1. Electrical requirements

1.1 Zero-power resistance R $_{37}(A\sim P) \pm 0.20\%$

A = 48.561 kohm E = 49.268 kohm I = 49.985 kohm M = 50.713 kohmF = 49.446 kohm J = 50.166 kohm N = 50.897 kohmB = 48.737 kohm

K = 50.348 kohm0 = 51.081 kohmC = 48.913 kohm G = 49.625 kohm

D = 49.090 kohm H = 49.805 kohm L = 50.530 kohmP = 51.265 kohm

1.2 B value(B 30/45)

3,953K \pm 1% (B value is determined by R 30 and R 45.)

1.3 Resistance ratio vs temperature

TEMP.(T)	RT	TEMP.(T)-	RT	
34℃	1.132	39℃	0.9218	
35℃	1.086	40°C	0.8854	
36℃	1.042	41°C	0.8503	
37℃	1.000	42°C	0.8167	
38℃	0.960			

The table is shown a resistance ratio of thermistor on each temperature.

REMARK : THE RESISTANCE VALUES MAY VARY SLIGHTLY AS THE TESTING TEMPERATURE (37C) IS ± 0.03℃ IN ACCURACY.

2 Rating

2.1 Category temperature range

-40℃ ~ 100℃:

2.2 Dissipation factor

0.7 mW/°C (in air)

H. SATO

2.3 Thermal time constant

0.8 sec (in oil)

Customer:		Date: SEP. 11, 1997 Specification NO.: S97-0370			
Approved by:		Checked b		Drawn by:	



Ishizuka Electronics Corporation

Fax:886-2-25099599

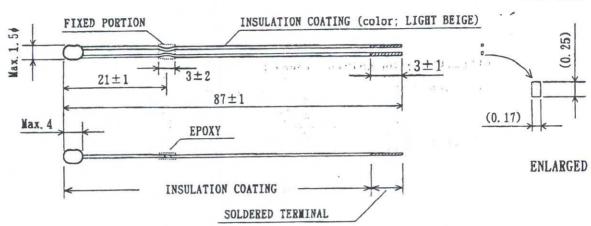
833ET-1S87P-70370

597-0370

3 Dimension

Unit (mm)





4 Insulation resistance Insulation resistance of test sample should be over 100 Mohm when it is measured by DC 100V Megohmmeter between coated point area of thermistor element

5 Reliability

and lead wires.

5.1 Dry heat

After test sample was left in air at 100°C for 1000 hours, the zero-power resistance change ratio should be within \pm 1% of initial value.

5.2 Damp heat

After test sample was exposed in air of 95% RH at 40℃ for 1000 hours, the zero-power resistance change ratio should be within \pm 1% of initial value.

5.3 Load test at high temperature After DC 0.1mA was flowed to test sample in air at 100℃ for 1000 hours, zero-power resistance change ratio should be within \pm 1% of initial value.

5.4 Change of temperature

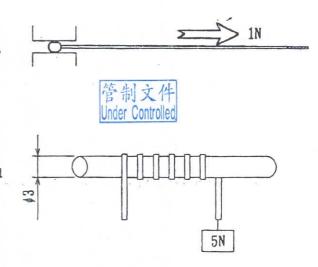
After test sample was repeated 100 times cycle in temperature cycles of 5 minutes at -20° ; room temperature 3 minutes; 5 minutes at 100° ; room temperature 1 minutes, zero-power resistance change ratio should be within \pm 1% of initial value.

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- 6 Mechanical performance test
- 6-1 Terminal strength
 After pull 1N static weight for one
 minute in the direction of lead axis,
 test sample should be no change.
- 6.2 Resin coating strength
 The lead-wire shall be firmly
 wrapped on the cylinder with the
 diameter of 3mm. A down word tension
 shall be applied to the lead wire and
 increased to 5N.
 After the foregoing, there shall be
 no visible damage on the coating of



6.3 Free fall

the lead-wire.

After one time free fall to a maple board from 1m height, the test sample should be no change.

6.4 Resistance to soldering heat

After lead wire of test sample was one time dipped within 6.0 mm from end of lead wire in solder bath at $260\%\pm5\%$ for 10 ± 1 seconds, zero-power resistance change ratio should be within $\pm1\%$ of initial value.