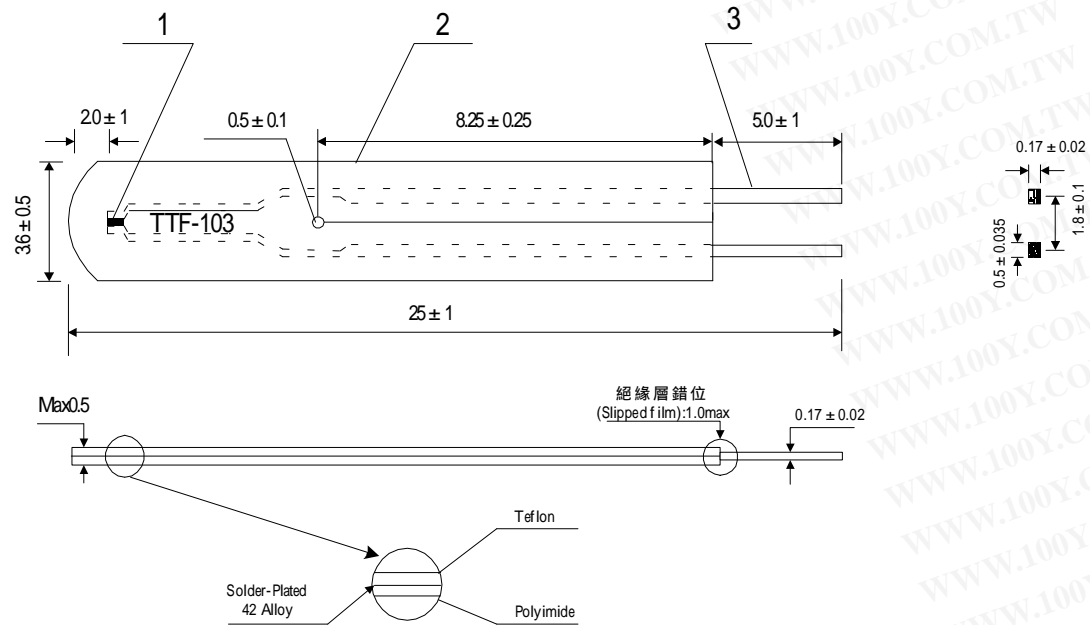


勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
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A. Material List

NO.	ITEM	DESCRIPTION
1	NTC CHIP	J093A103J34D3
2	INSULATION FILM	TEFLON FILM
		POLYIMIDE FILM
3	LEAD WIRE	SOLDER-PLATED 42 ALLOY

B. Electrical Characteristic

ITEM	VALUE
R_{25}	10K $\pm 5\%$
$B_{25/85}$	3435K $\pm 3\%$

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THINKING P/N: TTF3A103J34D3A

NO	PART NAME	PART P/N	Q'TY	MANUFACTURE R OF MATERIAL	FLAMMABILITY SOLID BURNING CLASS	UL FILE NO
1	NTC Chip	J093A103J34D3	1	WELKIN		
2	Insulation Film	TEFLON FILM	1	NITTO DENKO		
		POLYIMIDE FILM	1	NITTO DENKO		
3	Lead Wire	SOLDER-PLATED 42 ALLOY	2	JINLI		
備注						

Specification of NTC Thermistor for Temperature Compensation , Measurement and Control

PART NO. TTF3A103J34D3A

CUSTOMER P/N . _____

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2. Electrical characteristics

	Parameter	Symbol	Test Conditions	Min.	Nor.	Max.	Unit.
a.	Resistance At 25	R_{25}	$T_a=25 \pm 0.05$ $P_T \ 20 \mu W$	9.5	10	10.5	K Ω
b.	Resistance At 85	R_{85}	$T_a=85 \pm 0.05$ $P_T \ 20 \mu W$	-----	1.451	-----	K Ω
c.	R_{25} / R_{85}	K	-----	-----	6.892	-----	-----
d.	B Constant	B	(1779.707 Ln K)	3332	3435	3538	K
e.	Thermal Dissipation Constant		$T_a=25 \pm 0.5$	0.7	-----	-----	mW/
f.	Thermal Time Constant		$T_a=25 \pm 0.5$	-----	-----	5	Sec
g.	Insulation Test	-----	100V DC 1 min	100	-----	-----	M Ω

3. Maximum Ratings

	Parameter	Specification	Unit
a.	Operation Temperature Range	-40 ----- +100	
b.	Max' Permissible Current	0.42	mA
c.	Max' Operating Current	0.09	mA

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4. Mechanical Characteristics

4-1 Leads Terminal Tensile Strength

Conditions	Test Result	
Fasten body with a Load Applied to each lead 0.1 kg for 10 sec.	No break out and damage	OK

4-2 Leads Terminal Bend Strength

Conditions	Test Result	
Fixed body and hang 0.05 Kg on one terminal bend 90° then back again in opposite .	No break out and damage	OK

5. Reliability Test

Item	Test Conditions	Variability
Temp. cycle test	-40 X 30min +25 X 3min X 5 +100 X 30min +25 X 3min	Within ± 5 %
Life test	0.42 mAmp. ×1000 HRS DC 100V 1min	Within ± 5 % 100MΩ
Humidity test	40 95 % RH X 1000 HRS DC 100V 1min	Within ± 5 % 100MΩ
High Temperature Storage test	100 x 1000 HRS DC 100V 1min	Within ± 5 % 100MΩ
Solderability test	235 ±5 2 ± 0.5 sec	the surface covered at least 95%
Soldering heat resistance test	260 ±5 5 ± 1 sec	Within ± 5 %

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