

SINLOON®

**熱敏溫度傳感器
玻璃封裝 DO-35**

**DT Type
NTC Glass Encapsulated DO-35**

FEATURE (特性)

Case DO-35, mini size, High stability, Good resistance consistency.

DO-35 封裝小型化, 可靠性高及阻值穩定。

Tinned good solderability, welding temperature can be above 260°Cx10s

密封式, 焊錫性溫度可達260°C/10秒。

Strong interchangeability, adequate specification for choice

產品參數互換性強。

Application: (應用)

Office electric appliance: Duplication machine, Printer and so on.

辦公室設備: 影印機, 打印機等...

Hairdressing device: Curly device; hair conditioner, hairdryer and so on.

理髮設備: 捲曲設備, 護髮素, 吹風筒等等。

Home appliance: Frequency fan, Heater Over, Smoke exhauster and so on

家庭電器: 電扇, 暖風機, 抽油煙機等等。

In the narrow space, High temperature and fast response needed, like braking system, mini motor, flow meter.

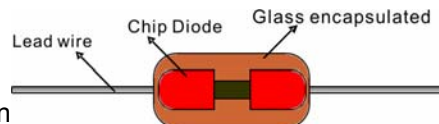
在狹窄的空間, 高溫 and 快速的反應需要, 像制動系統, 微型馬達, 流量計等。

Fire alarm system, grain depot system. (防火報警系統及消防系統)

Figure:



Construction



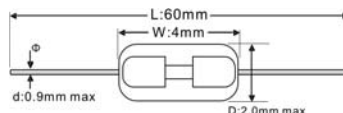
Ordering Procedure:

Example: DT-103J-3IH

Type P/N	Resistance	Tolerance	B-constant								Tolerance	Package
DT-	102=1K Ω	F=±1%	1=1000	A: 0 ~ 50	F: 251~300	K: 501~550	P: 751~800	F=±1%	B: Bulk			
	103=10KΩ	G=±2%	2=2000	B: 51~100	G: 301~350	L: 551~600	Q: 801~850	G=±2%	T: T/Box			
	104=100KΩ	H=±3%	3=3000	C: 101~150	H: 351~400	M: 601~650	R: 851~900	H=±3%	TR: T/Reel			
		J=±5%	4=4000	D: 151~200	I: 401~450	N: 651~700	S: 901~950	J=±5%				
		K=±10%		E: 201~250	J: 451~500	O: 701~750	T: 951~999	K=±10%				

Dimension (mm)

Type P/N	L	W	ΦD	Φd
DT	60±2	4.0 max	2.0max	0.9 max



About R-T Table

Part No.	Resistance	Constant	Part No.	Resistance	Constant	Part No.	Resistance	Constant
	(Ω) at 25°C	B25/50(°K)		(Ω) at 25°C	B25/50(°K)		(Ω) at 25°C	B25/50(°K)
DT-202	2K	3380	DT-103	10K	3950	DT-104	100K	3950
DT-502	5K	3270	DT-123	12K	3730	DT-104	100K	3990
DT-502	5K	3380	DT-153	15K	3480	DT-104	100K	4050
DT-502	5K	3450	DT-203	20K	3550	DT-204	200K	3900
DT-103	10K	3270	DT-473	47K	3700	DT-204	200K	4100
DT-103	10K	3380	DT-473	47K	3950	DT-204	200K	4200
DT-103	10K	3435	DT-503	50K	3990	DT-474	470K	4400
DT-103	10K	3450	DT-503	50K	3950	DT-504	500K	4310
DT-103	10K	3550	DT-503	50K	3990			

* Others data not in the specification of data, please contact us. (如果你要求的規格不在本規格書裡請與我們聯絡.)

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Technical Specification

Thin specification deal with shape, parameters and mechanical strength etc. of type DT Series.

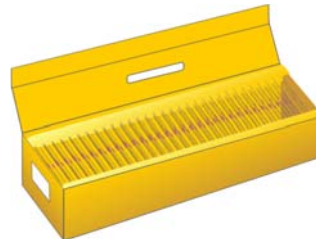
	Description	Data specification	Remarks
Technical	Rate zero-resistance value	$R_{25}=R$, Tolerance: ($\pm 1\%$, $\pm 3\%$, $\pm 5\%$)	標示電阻值
	B-value $B_{0/100}$	See page 3.	B 值參數
	Dissipation constant (ϕ)	2.3mW/°C over in still air	耗散系數
	Thermal time constant (τ) :	0.6s in still oil	熱時間常數
	Operation temperature range:	-40 ~ +300°C.	使用溫度範圍
Reliability test	Hot temperature storage	Store in hot air at 200°C $\pm 5^\circ\text{C}$ for 1000hrs. and test $\Delta R/R \leq 3\%$, $\Delta B/B \leq 1\%$.	高溫存儲
	Low temperature storage	Store in dry still air at -50°C $\pm 5^\circ\text{C}$ for 1000hrs. and test $\Delta R/R \leq 3\%$, $\Delta B/B \leq 1\%$.	低溫存儲
	Thermal stock test.	After 1000 cycles of -30°C dry air (10ms) to room ambient temperature (5ms) to 100°C Dry air (10ms) to room ambient temp. (5ms) and test $\Delta R/R \leq 3\%$, $\Delta B/B \leq 1\%$.	冷熱衝擊試驗
	High humidity and High Temp. storage.	Store in 95%RH. 70°C air conditions of 1000hrs and test $\Delta R/R \leq 3\%$, $\Delta B/B \leq 1\%$.	高溫高濕度
caution	Do not apply DC voltage direct to the thermistor Do not press or pull for it's glass coat. The water disheartened dirt, salt etc. over the line and the glass body, will diminish the resistance and the Thermistor will be unsteady , please avoid direct contact by hand, The thermistor should be insulated and wet-proof.		注意事項

Package:

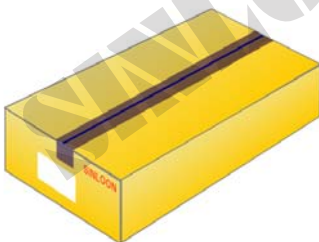
Plastic bag Pack:



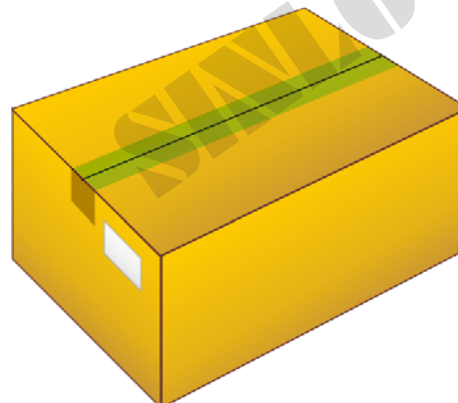
Tape Reel



Inner Box (bulk)



Cartons



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※Mayloon characteristic parameters of electronic product specification changes or updates without notice to improve.