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2015

Materials Components

Thermistor (NTC /PTC)

- GNTC (Chip in Glass Thermistor)
- SMD NTC Thermistor
- SMD PTC Thermistor
- Radial type Thermistor
- Bare Chip Thermistor (Gold & silver Electrode)





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Radial Type Thermistor

(Double Coating Layer's Radial Thermistor)

Radial Type Thermistor Series RA/RB/RC/RD type RAC/RBC/RCC/RDC type Head: Double Coating Layer Wire: Soft Insulation Coating World Charming Product

Radial Type Thermistors ?

- There are three types of radial thermistors in Joinset production line. Normal type, its head part is coated with the hard epoxy. It is called RA/RA/TC/RD normal type. Insulation type has double coating layer. Head part is coated with the hard epoxy and second coating layer covers head and leads as well. It is called LeadCoTh series and named by RAC/RAB/RCC/RCD type.
- Technical Background
- 1. Thanks to two coating layer, it can protect chip from physical shock and moisture (Patented).
- Thanks to coating on lead, it perform a good insulation property and can be protected from moisture which could be flow in through lead wire.
 - If it is applied for protect tube sensor, it shows a good insulation and good withstand voltage properties.
- 3. Reel packing is available as well.

2 Structure and Property of Radial Type Thermistor

Subject		(Norma	Radial Seal and High	ries Reliable Pro	oducts)	LeadCoTh Series (Standard and High Reliable Products)				
	Gubject	RA type	RB type	RC type	RD type	RAC type	RBC type	RCC type	RDC type	
Structure(St.) and Property(Pr.)		3 2	3 2	3 2	3 2 1	3 2 4	3 2 4	3 2 4	3 2 4	
	① Wire		Ф 0.45mm		Ф 0.35mm	Ф0.45mm Ф0.3			Ф 0.35mm	
	② Chip				Chip (NTC	Thermistor)				
St.	③ 1 st Coating (Head)	Hard Epoxy (1st. Protection coating)								
	④ 2 nd Coating (Head + Wire)		Does no	ot apply		Flexible Epoxy (2 nd . Protection coating)				
	Operating Temp.	-40℃ ~ 125℃								
	2 nd Coating Withstand Voltage	Does not apply				DC250V / 1sec				
Pr.	2 nd Coating Insulation Resistance	Does not apply				Min.100MΩ				
	Hardness at Head	Shore A90								
	Wire Bending Strength	After soldering, the wire is bended by 90° No cutting at 5 times.								

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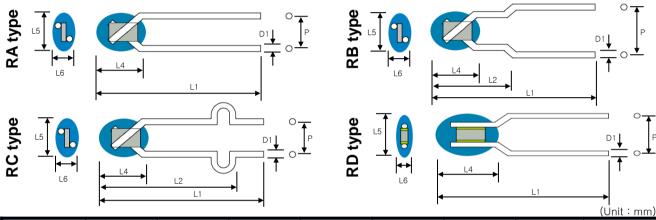
3 Ordering Information

■ Part No).: <u>R*</u>	*	<u> 103</u>	<u>F</u>	<u>3435</u>	<u>F</u>	**	<u>12</u>
	1	2	3	4	(5)	6	7	8

1	R*	Product Series. (RA,RB,RC,RD etc)	5	3435	B(25/85) Value : 3435K
2	*	Insulation type (C:Second protective coating, F:Film, T:Tube, Blank: Non-Insulation)	6	F	B Value tolerance; F:1%
3	103	103=10×10³ (Ω)@25℃	7	**	Customer code; ** (01,02,03,)
4	F	Resistance tolerance; F:1%	8	12	Coating length; 12 mm (For LeadCoTh)

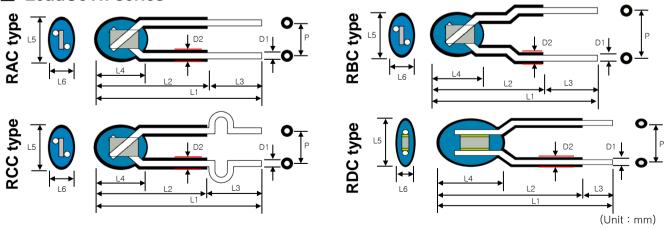
4 Shape & Dimension

Radial series



Type	L1	L2	L4	L5	L6	Р	D1	Remark
RA	_	_	Typ. 4.0	Max. 4.0	Max. 3.0	Typ. 2.0	φ0.45	
RB	ı	Typ. 6.5	Typ. 4.0	Max. 4.0	Max. 3.0	Typ. 2.5	φ0.45	
RC	_	Min. 5.5	Тур. 4.0	Max. 4.0	Max. 3.0	Тур. 2.0	φ0.45	
RD	-	_	Typ. 4.5	Max. 2.5	Max. 1.8	Typ. 1.8	φ0.35	

■ LeadCoTh series



Type	L1	L2	L3	L4	L5	L6	Р	D1	D2
RAC	_	_	Typ. 2.0	Тур. 4.0	Max. 4.0	Max. 3.0	Typ. 2.0	φ0.45	Тур. ф0.55
RBC	_	_	Typ. 2.0	Тур. 4.0	Max. 4.0	Max. 3.0	Тур. 2.5	φ0.45	Тур. ф0.55
RCC	-	_	Typ. 2.0	Тур. 4.0	Max. 4.0	Max. 3.0	Тур. 2.0	φ0.45	Тур. ф0.55
RDC	-	_	Typ. 2.0	Тур. 4.5	Max. 2.5	Max. 1.8	Тур. 1.8	φ0.35	Тур. ф 0.45

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