

■ RA/RB Series (Radial type)



1 Radial Thermistor

- There are two types of radial thermistors in Joinset production line. Normal type, its head part is coated with the hard epoxy. It is called RA/RB 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 Lead CoTh series and named by RAC/RBC type.

■ Features & Applications.

- Low cost, high stability, excellent endurance against thermal shock
- In the case of Lead CoTh, Due to the 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.
- Temperature sensing and control, compensation, measurement.
- On-board temperature sensor, Air conditioner, Refrigerator, Heater.

2 Structure and Property of Radial Type Thermistor

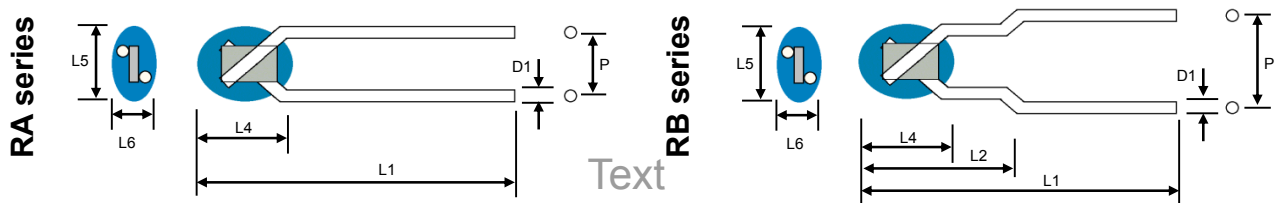
Division	Radial		Lead CoTh	
	RA series	RB series	RAC series	RBC series
Product Shape				
Structure	① Wire	Φ0.45mm		
	② Chip	Chip (NTC Thermistor)		
	③ 1 st Coating (Head)	Hard Epoxy (1 st . Protection coating)		
	④ 2 nd Coating (Head + Wire)	Does not apply		Flexible Epoxy (2 nd . Protection coating)
Property	Operating Temp.	-40°C ~ 125°C		
	2 nd Coating Withstand Voltage	Does not apply		DC250V / 1sec
	2 nd Coating Insulation Resistance	Does not apply		Min.100MΩ
	Wire Bending Strength	After soldering, the wire is bended by 90° No cutting at 5 times.		

3 Part No. : **R*** **103** **F** **3435** **F** ****** **12**
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

①	Series	RA(Straight) , RB(Forming)	⑤	B Value	B25/85 = 3435K
②	*	Insulation type (C : Second protective coating, Blank: Non-Insulation)	⑥	B tol.	F : ±1% (G : ±2% , H : ±3%)
③	R25	103 = 10kΩ [10 × 10 ³ ohm] @ 25°C ± 0.2°C	⑦	**	Customer code; ** (01,02,03,...)
④	R tol.	F : ±1% (G : ±2% , H : ±3% , J : ±5% , S : Special code)	⑧	Coating length	12 mm (only Lead CoTh)

4 Shape & Dimensions

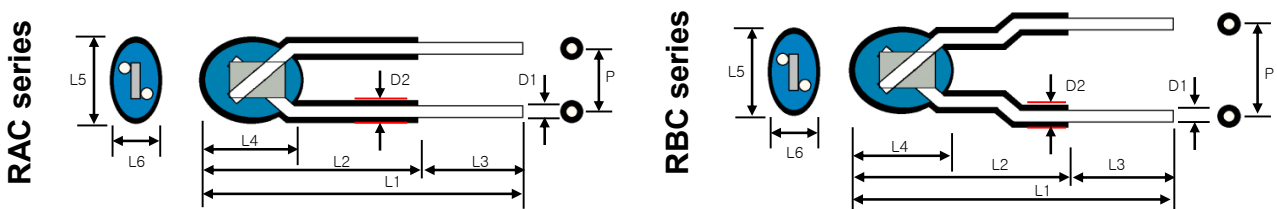
Radial type



(Unit : mm)

Type	L1	L2	L4	L5	L6	P	D1	Remark
RA	-	-	Typ. 5.0	Max. 4.0	Max. 3.0	Typ. 2.0	φ0.45	
RB	-	Typ. 6.5	Typ. 5.0	Max. 4.0	Max. 3.0	Typ. 2.5	φ0.45	

Lead CoTh type



(Unit : mm)

Type	L1	L2	L3	L4	L5	L6	P	D1	D2
RAC	-	-	Typ. 2.0	Typ. 5.0	Max. 4.0	Max. 3.0	Typ. 2.5	φ0.45	Typ. φ0.95
RBC	-	-	Typ. 2.0	Typ. 5.0	Max. 4.0	Max. 3.0	Typ. 2.5	φ0.45	Typ. φ0.95