

DG4 series Thermistor

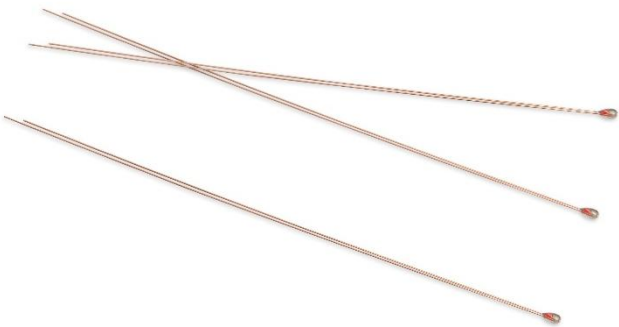
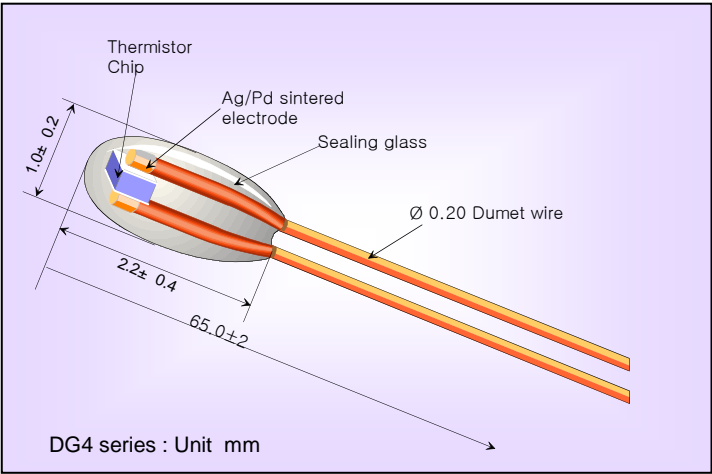
Description

- Glass sealing type thermistor is designed for high environmental reliability and wide temperature range of usage (-50°C ~ 250°C). DG4 series thermistor gives excellent high temperature stability. DG4 series thermistor can be applied to various fields, such as home appliance, automobile, medical, and other industrial applications.

Feature

- Ø 1.0 mm standard size
- Excellent stability at high temperature
- Excellent stability at high humidity condition (tight glass sealing)
- Cost effective design

Shape and Dimension



Electrical and thermal characteristics

ITEM	Characteristics	REMARK
Thermal time constant	3 sec (2.5~4.0 sec)	In still air
Dissipation constant	0.5 ~ 0.8 mW/°C	In still air
Insulation resistance	Min 10MΩ (50VDC)	Beteeen lead and glass
operating temperature	-50°C ~ 250°C	

■ Part No. Information

DG4	A	103	H	B	-X
1	2	3	4	5	6
type	Curve type	Resistance Value	Resistance tolerance	Reference temp.(℃)	optional code
DG4 : ϕ 1.0 mm Glass type thermistor	R-T curve characteristics	502=50X100 =5.0K Ω 303=30X1000 =30.0K Ω 10.74 = 10.74K Ω	F : R \pm 1%,B \pm 1% G : R \pm 2%,B \pm 2% H : R \pm 3%,B \pm 2% J : R \pm 5%,B \pm 2%	A : 0℃ B : 25℃ C : 50℃ D : 70℃ F : 100℃ G : 150℃ H : 200℃	blank : no plating -S : Tin plating -N : Ni plating

■ Part No List

Part No.	Specification			B constant		
	temperature(℃)	Resistance(K Ω)	Tol(%)			
DG4B103FB	25	10.00	1%	25/85	3435	1%
DG4B103HB	25	10.00	3%	25/85	3435	2%
DG4C503FB	25	50.00	1%	25/85	3990	1%
DG4C503HB	25	50.00	3%	25/85	3990	2%
DG4J1.325HL	90	1.325	3%	0/100	3450	2%
DG4J1.325JL	90	1.325	5%	0/100	3450	2%
DG4J10.74FB	25	10.74	1%	0/100	3450	1%
DG4J10.74HB	25	10.74	3%	0/100	3450	2%

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