DG3 series Thermistor

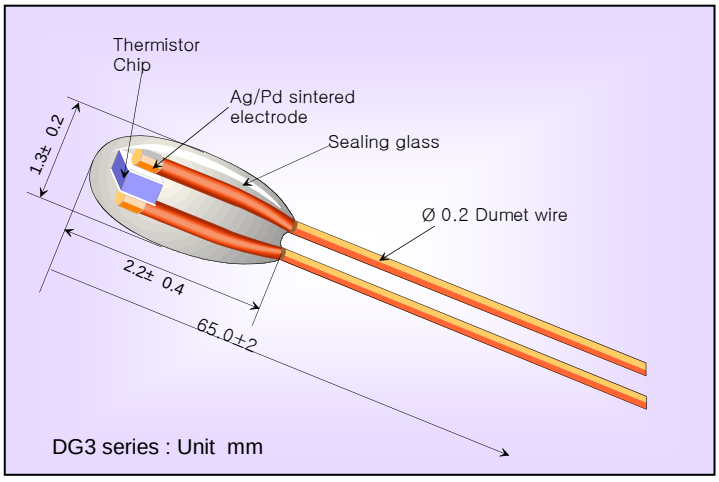
Description

• Glass sealing type thermistor is designed for high environmental reliability and wide temperature range of usage (-50℃ ~ 250℃). DG3 series thermistor gives excellent high temperature stability. DG3 series thermistor can be applied to various fields, such as home appliance, automobile, medical, and other industrial applications.

Feature

- Ø 1.3 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	5 sec (3.5~6.5 sec)	In still air
Dissipation constant	0.7 ~ 1.2 mW/℃	In still air
Insulation resistance	Min 10MΩ (50VDC)	Beteen lead and glass
operating temperature	-50℃ ~ 250℃	

Part No. Information

DG3	A	103	H	B	-X
1	2	3	4	5	6
type	Curve type	Resistance Value	Resistance tolerance	Reference temp.(℃)	optional code
DG3 : Φ 1.3 mm Glass type thermistor	R-T curve characteristics	502=50X100 =5.0KΩ 303=30X1000 =30.0KΩ 10.74 = 10.74KΩ	F : R±1%,B±1% G :R±2%,B±2% H :R±3%,B±2% J : R±5%,B±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(KΩ)	Tol(%)			
DG3C49.12FB	25	49.12	1%	25/85	3990	1%
DG3C49.12HB	25	49.12	3%	25/85	3990	2%
DG3D104FB	25	100.00	1%	25/85	4060	1%
DG3D104HB	25	100.00	3%	25/85	4060	2%
DG3B103FB	25	10.00	1%	25/85	3435	1%
DG3B103HB	25	10.00	3%	25/85	3435	2%
DG3C503FB	25	50.00	1%	25/85	3990	1%
DG3C503HB	25	50.00	3%	25/85	3990	2%
DG3C8.514HD	70	8.51	3%	0/100	3970	2%
DG3C8.514JD	70	8.51	5%	0/100	3970	2%
DG3E3.241HG	150	3.241	3%	100/200	4537	2%
DG3E3.241JG	150	3.241	5%	100/200	4537	2%
DG3A103FB	25	10.00	1%	25/85	3970	1%
DG3A103HB	25	10.00	3%	25/85	3970	2%
DG3J10.74FB	25	10.74	1%	0/100	3450	1%
DG3J10.74HB	25	10.74	3%	0/100	3450	2%

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