

Insulated wire Thermistor

Application

Temperature sensor for home electronics, medical and industrial usage

Temperature sensor for computer and fire alarm

Features

Excellent endurance against thermal shock

Excellent stability at high temperature

Small precision type

Epoxy coating for hermeticity from environment

Variable shape of sensor assembly possible



Numbering

PT/TT/ET	43	B	F	103	F0	B	3
①	②	③	④	⑤	⑥	⑦	⑧

1. Series : PT(PVC insulation), TT(Teflon insulation), ET(Enamel insulation) series

2. B constant value : 3435(3470k)

3. B constance : A(25/50), B(25/85), C(0/25), D(0/50), E(0/100), G(25/100), F(0/80)

4. B tolerance : C($\pm 0.5\%$), D($\pm 0.75\%$), F($\pm 1.0\%$), P($\pm 1.5\%$), G($\pm 2.0\%$)

5. Resistance value : $10k\Omega$ ($10 \times 10^3\Omega$) at 25°C

6. Resistance tolerance : F0($\pm 1\%$), F5($\pm 1.5\%$), G0($\pm 2\%$), H0($\pm 3\%$), J0($\pm 5\%$)

7. Standard temperature of resistance : A(0°C), B(25°C), C(50°C), D(75°C), E(85°C), F(100°C), S(Special)

8. Wire gauge : 3(AWG30), 4(AWG24), 2(AWG22)

Specification

Type	Insulation	Wire gauge	Head size(mm)	Length(mm)
PT type	PVC	#30 ~ #20	$\Phi 2.0 \sim 3.5$	30 ~ 500
TT type	Telflon	#30 ~ #24	$\Phi 2.5 \sim 3.5$	20 ~ 150
ET type	Enamel	#34 ~ #26	$\Phi 1.6 \sim 3.0$	20 ~ 80

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Specification

Part No.	R[kΩ]	B25/85(K)	Operating Temp.(°C)
PT43BF103F0B3	10.0	3435	-40 ~ 80
PT08BF104F0B3	100.0	4080	-40 ~ 105
PT06BF503F0B3	50.0	4060	-40 ~ 105
PT89DF103F0B3	10.0	3892	-40 ~ 105
TT89DF302F0B6	10.0	3892	-40 ~ 150
TT09BF302H0S6	80.8	4090	-40 ~ 150
TT50BF202H0P6	327.0	3500	-40 ~ 150
TT54BF252H0P6	290.0	3540	-40 ~ 150
TT50BF152H0P6	142.5	3500	-40 ~ 150
TT27BF252H0P6	310.0	3627	-40 ~ 150
TT50BF202H0S6	147.0	3500	-40 ~ 150
TT50BF222H0G6	596.0	3500	-40 ~ 150
TT54BF252F0S6	110.0	3627	-40 ~ 150
TT89DF302H0S6	99.9	4090	-40 ~ 150
TT89DF303F0S6	333.3	4090	-40 ~ 150
ET43BF103F0B2	10.0	3435	-40 ~ 105
ET60BF503F0B4	50.0	4060	-40 ~ 105