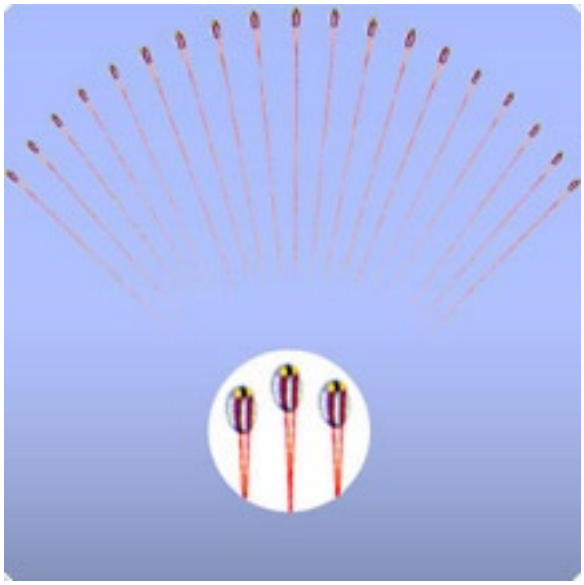
CANTHERM

Supplying high-quality bimetal and thermal sensor products.

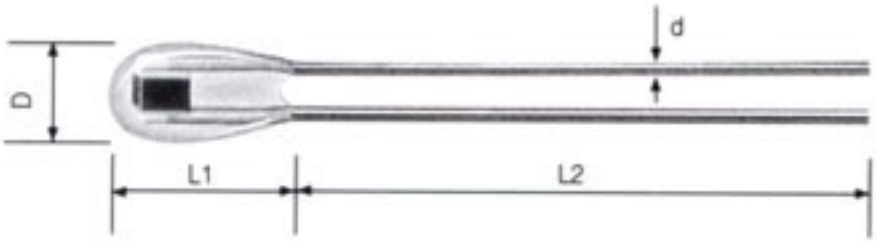
MF51 Precision Glass Encapsulated NTC Thermistor for Temperature Measurement

The MF51 NTC thermistor is a small chip thermistor encased in glass with bare radial copper leads. The chip is made from a new material using new techniques which provide benefits such as high precision, fast response, reliable stability, no aging effect and improved moisture resistance.



Applications

It can be used in applications such as refrigeration, HVAC, heating equipment, electronic thermostats, liquid level sensing, automotive electronics, electronic dashboards, etc.



Dimensions(mm)

Part No.	D max	L_1 max	L_2 min	d +/- 0.05
MF51-A	2.5	4	60	0.3
MF51-B	1.5	3	60	0.2
MF51-C	0.9	2	60	0.15

CANTHERM

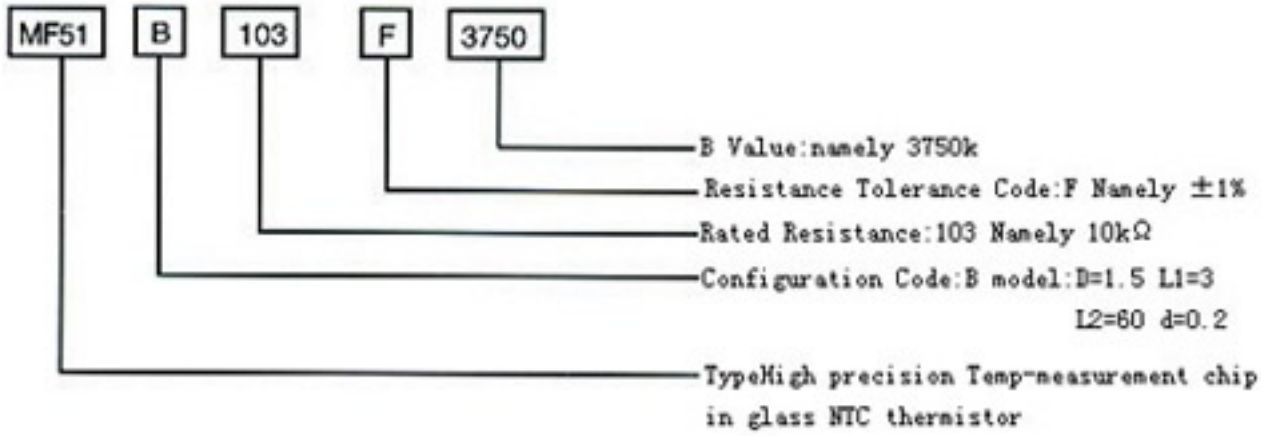
8415 Mountain Sights Avenue • Montreal (Quebec), H4P 2B8, Canada
Tel: (514) 739-3274 • 1-800-561-7207 • **Fax:** (514) 739-2902
E-mail: sales@cantherm.com • **Website:** www.cantherm.com

2008/Feb

CANTHERM

Supplying high-quality bimetal and thermal sensor products.

Specification



Physical Characteristics

Model	Dissi.Coef (mW/°C)	Thermal Time Constant (S)		MW
	In still air	In still air	In stirred oil	
MF51-A	1.2 ~ 1.3	10 ~ 11	0.9 ~ 1.1	≤50
MF51-B	0.7 ~ 0.8	4 ~ 5	0.3 ~ 0.4	≤35
MF51-C	0.4 ~ 0.5	2 ~ 3	0.18 ~ 0.24	≤15

Model	Rated Resistance R 25		B Value (25/80°C)		Operating Temp (°C)
	KΩ	Tolerance	K	Tolerance	
MF51□□□3450	2 ~ 10	F = ±1% G = ±2% H = ±3% J = ±5%	3450	±0.5% ±1% ±2%	-20 ~ 250
MF51□□□3750	8 ~ 10		3750		
MF51□□□3950	10 ~ 50		3950		
MF51□□□4150	50 ~ 100		4150		
MF51□□□4200	100 ~ 350		4200		
MF51□□□4350	870 ~ 980		4350		
MF51□□□4450	1000 ~ 1500		4450		

Remark:
The first pane holds the dimensional code.
The second pane shows the rated resistance at 25C (R25).
The third pane shows the tolerance code of rated resistance.
The fourth pane shows the Beta value (B25/80C)

CANTHERM
8415 Mountain Sights Avenue • Montreal (Quebec), H4P 2B8, Canada
Tel: (514) 739-3274 • 1-800-561-7207 • **Fax:** (514) 739-2902
E-mail: sales@cantherm.com • **Website:** www.cantherm.com