

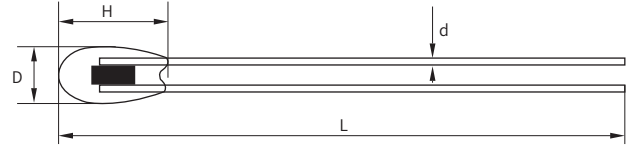
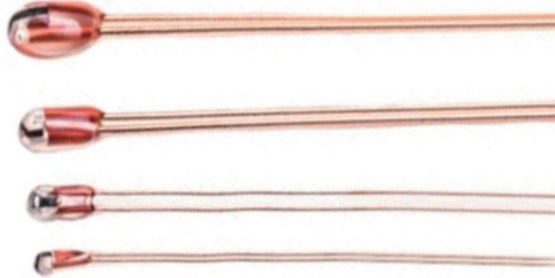
TEMPERATURE SENSOR PROBE SERIES

High accuracy / Stable performance / Quick response



MF51 NTC Single Ended Glass Sealed Thermistor

The thermistor have a negative temperature coefficient and are mounted in a glass envelope.



NO.	H	D	L	d
MF51-A	1.2±0.2	2.4±0.2	65±0.5	0.2±0.02
MF51-B	1.8±0.2	3.2±0.2	65±0.5	0.25±0.02
MF51-C	2.0±0.2	3.8±0.2	65±0.5	0.3±0.02

Part NO.	R(25)	B(25/85)	Operating temp.Range(°C)	Terminal Time Constant(s)	Related Power at 25°C(mW)
GDMF5101	10KΩ±1	3435K±1	-50~+200	≤ 6	250
GDMF5102	10KΩ±1	3950K±1	-50~+200	≤ 6	250
GDMF5103	100KΩ±1	3435K±1	-50~+200	≤ 6	250
GDMF5104	100KΩ±1	3977K±1	-50~+200	≤ 6	250
GDMF5105	100KΩ±1	4262K±1	-50~+200	≤ 6	250

FEATURES

- Good stability and high reliability
- High sensitivity and fast reaction speed
- Wide temperature range from -50 °C to +250 °C
- Wide resistance range: 5KΩ-500KΩ
- Resistant to corrosive atmospheres and harsh environments
- Small size and stable structure
- Convenient installation

APPLICATIONS

High temperature measurement, sensing and control:

- Household appliances(electric pressure cookers, water dispensers, microwaves, heaters, etc.)
- Industrial process control
- Office equipment(printers, copiers,etc.)
- Rechargeable battery, charger, power supply device

DONGGUAN CITU GUANDE SENSOR TECHNOLOGY .,LTD

XiangYuan Road 7#, Shujiu village,ChangPing Town,Dongguan City,Guangdong Province, China

For more details, contact: sales1@chinagoode.com sales_cai@chinagoode.com

NTC THERMISTOR SERIES

High accuracy / Stable performance / Quick response



R25=10KΩ±1% B25/85=3435K±1%

T ^{emp.} (deg. C)	R _{nor} (k Ohms)	T ^{emp.} (deg. C)	R _{nor} (k Ohms)	T ^{emp.} (deg. C)	R _{nor} (k Ohms)	T ^{emp.} (deg. C)	R _{nor} (k Ohms)	T ^{emp.} (deg. C)	R _{nor} (k Ohms)
-50	366.429	-16	57.294	18	13.077	53	3.774	88	1.341
-49	344.575	-15	54.600	19	12.577	54	3.654	89	1.305
-48	324.180	-14	52.049	20	12.099	55	3.539	90	1.270
-47	305.134	-13	49.633	21	11.641	56	3.428	91	1.237
-46	287.341	-12	47.344	22	11.204	57	3.322	92	1.204
-45	270.710	-11	45.174	23	10.785	58	3.219	93	1.173
-44	255.156	-10	43.117	24	10.384	59	3.119	94	1.142
-43	240.604	-9	41.166	25	10.000	60	3.023	95	1.113
-42	226.981	-8	39.315	26	9.632	61	2.931	96	1.084
-41	214.223	-7	37.559	27	9.280	62	2.842	97	1.056
-40	202.269	-6	35.891	28	8.943	63	2.756	98	1.029
-39	191.064	-5	34.307	29	8.620	64	2.673	99	1.003
-38	180.555	-4	32.803	30	8.310	65	2.593	100	0.977
-37	170.694	-3	31.373	31	8.012	66	2.516	101	0.953
-36	161.439	-2	30.015	32	7.728	67	2.441	102	0.929
-35	152.747	-1	28.723	33	7.454	68	2.369	103	0.906
-34	144.581	0	27.494	34	7.192	69	2.299	104	0.883
-33	136.905	1	26.325	35	6.940	70	2.232	105	0.861
-32	129.688	2	25.212	36	6.699	71	2.167	106	0.840
-31	122.899	3	24.153	37	6.467	72	2.105	107	0.819
-30	116.509	4	23.144	38	6.244	73	2.044	108	0.799
-29	110.493	5	22.184	39	6.030	74	1.985	109	0.780
-28	104.827	6	21.268	40	5.825	75	1.929	110	0.761
-27	99.488	7	20.396	41	5.628	76	1.874	111	0.743
-26	94.456	8	19.564	42	5.438	77	1.821	112	0.725
-25	89.710	9	18.771	43	5.256	78	1.770	113	0.707
-24	85.233	10	18.015	44	5.080	79	1.720	114	0.691
-23	81.008	11	17.294	45	4.912	80	1.673	115	0.674
-22	77.019	12	16.605	46	4.750	81	1.626	116	0.658
-21	73.252	13	15.948	47	4.594	82	1.581	117	0.643
-20	69.693	14	15.320	48	4.444	83	1.538	118	0.628
-19	66.329	15	14.720	49	4.300	84	1.496	119	0.613
-18	63.149	16	14.148	50	4.161	85	1.455	120	0.599
-17	60.140	17	13.600	51	4.027	86	1.416	121	0.585

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