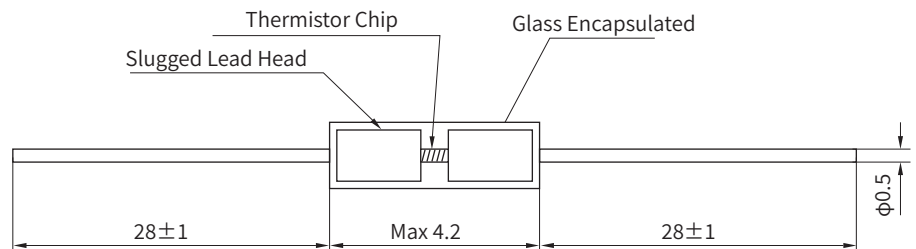


# NTC THERMISTOR SERIES

High accuracy / Stable performance / Quick response

## MF58 NTC Thermistor

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



Part NO.	R(25)	B(25/85)	Operating temp.Range(°C)	Terminal Time Constant(s)	Response time(s)
GDMF5801	5KΩ±1	3435K±1	-50~+250	≤ 3	0.9
GDMF5802	10KΩ±1.5	3950K±1.5	-50~+250	≤ 3	0.9
GDMF5803	10KΩ±2	3435K±2	-50~+250	≤ 3	0.9
GDMF5804	100KΩ±1	3977K±1	-50~+250	≤ 3	0.9
GDMF5805	200KΩ±1	3977K±1	-50~+250	≤ 3	0.9

### 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

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## Common Data Sheet

T(°C)	R25= 5K Ω	B25/50= 3470K	R25= 10K Ω	B25/50= 3470K	R25= 10K Ω	B25/50= 3950K	R25= 10K Ω	B25/85= 3435K	R25= 50K Ω	B25/50= 3950K	R25= 100K Ω	B25/50= 3950K
	2%		1%		1%		1%		1%		1%	
	Rnor		Rnor		Rnor		Rnor		Rnor		Rnor	
-20	36.9295		72.686		97.8396		69.693		454.1		975.8038	
-19	35.0917		69.1102		92.302		66.329		429.598		920.5962	
-18	33.3571		65.7325		87.1124		63.149		406.596		868.8615	
-17	31.7191		62.5405		82.2471		60.14		384.99		820.3603	
-16	30.1717		59.5232		77.6837		57.294		364.687		774.871	
-15	28.7095		56.6698		73.4018		54.6		345.6		732.1889	
-14	27.3273		53.9705		69.3823		52.049		327.506		692.1238	
-13	26.0202		51.4161		65.6077		49.633		310.487		654.4999	
-12	24.7836		48.998		62.0616		47.344		294.473		619.154	
-11	23.6134		46.7082		58.7288		45.174		279.398		585.9346	
-10	22.5057		44.539		55.5953		43.117		265.2		554.7016	
-9	21.4567		42.4835		52.648		41.166		251.718		525.3245	
-8	20.4629		40.535		49.8747		39.315		239.015		497.6821	
-7	19.5212		38.6874		47.2643		37.559		227.042		471.6621	
-6	18.6285		36.9349		44.8062		35.891		215.751		447.1599	
-5	17.782		35.272		42.4906		34.307		205.1		424.0781	
-4	16.9791		33.6937		40.3086		32.803		194.944		402.3264	
-3	16.2172		32.1952		38.2516		31.373		185.361		381.8204	
-2	15.494		30.772		36.3117		30.015		176.315		362.4818	
-1	14.8074		29.42		34.4817		28.723		167.771		344.2375	
0	14.1552		28.1351		32.7547		27.494		159.7		327.0195	
1	13.5357		26.9136		31.1243		26.325		151.98		310.764	
2	12.9469		25.7522		29.5847		25.212		144.685		295.4121	
3	12.3871		24.6475		28.1301		24.153		137.789		280.9084	
4	11.8548		23.5964		26.7556		23.144		131.269		267.2014	
5	11.3485		22.596		25.4562		22.184		125.1		254.2428	
6	10.8667		21.6437		24.2274		21.268		119.217		241.9877	
7	10.4082		20.7369		23.065		20.396		113.65		230.394	
8	9.9716		19.873		21.965		19.564		108.38		219.4224	
9	9.5559		19.05		20.9239		18.771		103.388		209.0361	
10	9.1599		18.2656		19.938		18.015		98.66		199.2007	
11	8.7825		17.5178		19.0041		17.294		94.127		189.8841	
12	8.4228		16.8048		18.1193		16.605		89.832		181.0559	
13	8.0799		16.1246		17.2807		15.948		85.761		172.6881	
14	7.7529		15.4757		16.4857		15.32		81.901		164.754	
15	7.441		14.8564		15.7317		14.72		78.24		157.229	
16	7.1434		14.2653		15.0164		14.148		74.727		150.0898	
17	6.8593		13.7008		14.3376		13.6		71.395		143.3144	
18	6.5881		13.1618		13.6933		13.077		68.233		136.8825	
19	6.3292		12.6468		13.0816		12.577		65.231		130.7749	
20	6.0818		12.1547		12.5005		12.099		62.38		124.9734	
21	5.8455		11.6843		11.9485		11.641		59.644		119.4612	
22	5.6197		11.2347		11.4239		11.204		57.046		114.2223	
23	5.4038		10.8047		10.9252		10.785		54.577		109.2417	
24	5.1974		10.3935		10.451		10.384		52.231		104.5053	
25	5		10		10		10		50		100	
26	4.8112		9.6235		9.5709		9.632		47.857		95.7132	
27	4.6305		9.2631		9.1626		9.28		45.819		91.6333	
28	4.4576		8.9181		8.7738		8.943		43.88		87.7492	
29	4.2921		8.5877		8.4037		8.62		42.036		84.0505	
30	4.1336		8.2713		8.0512		8.31		40.28		80.5274	
31	3.9818		7.9681		7.7154		8.012		38.59		77.1707	
32	3.8364		7.6776		7.3953		7.728		36.981		73.9717	
33	3.6971		7.3991		7.0903		7.454		35.449		70.9222	
34	3.5636		7.1322		6.7995		7.192		33.99		68.0144	
35	3.4356		6.8763		6.5221		6.94		32.6		65.2411	

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