



NTC THERMISTORS: TYPE GM

GLASS ENCAPSULATED BEAD

DESCRIPTION:

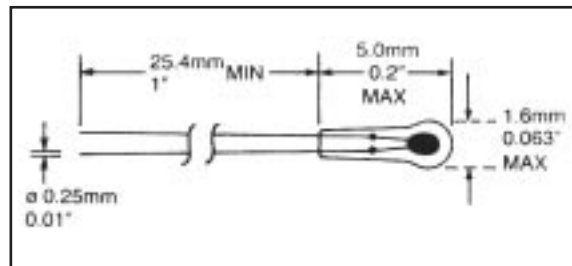
NTC bead encapsulated in a solid glass pellet.

FEATURES:

- Small size, fast response
- Operation up to 300°C
- High stability
- Approved to CECC 43000
- Typical applications include temperature measurement, control and compensation.



DIMENSIONS:



GM Type

Resistance Group	Resistance Code	Reference Resistance Ω	B Value K	α at 25°C %/°C	Reference Temperature °C	Tmax °C	Pmax at 25°C mW
LOW			25-85		25	125	75
	221	220	2655	-2.99			
	331	330	2725	-3.07			
	471	470	2780	-3.13			
	681	680	2845	-3.20			
	102	1k	2910	-3.27			
	152	1.5k	3010	-3.39			
	222	2.2k	3125	-3.52			
	332	3.3k	3240	-3.64			
MEDIUM			25-85		25	200	130
	103	10k	3555	-4.00			
	153	15k	3670	-4.13			
	223	22k	3780	-4.25			
	333	33k	3895	-4.38			
	473	47k	3940	-4.43			
	683	68k	3995	-4.49			
	104	100k	4045	-4.55			
	154	150k	4100	-4.61			
HIGH			100-200		100	300	205
	474	25k	4725	-4.86			
	684	35k	4800	-4.93			
	105	50k	4900	-5.04			

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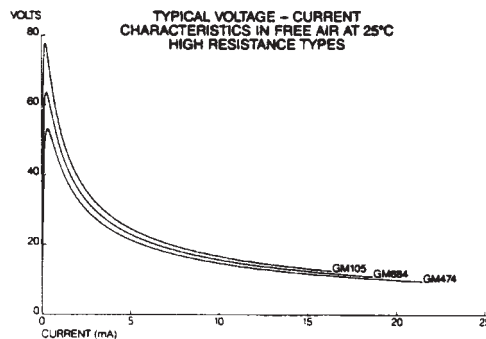
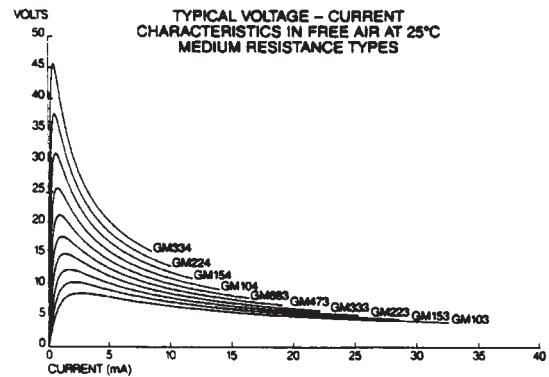
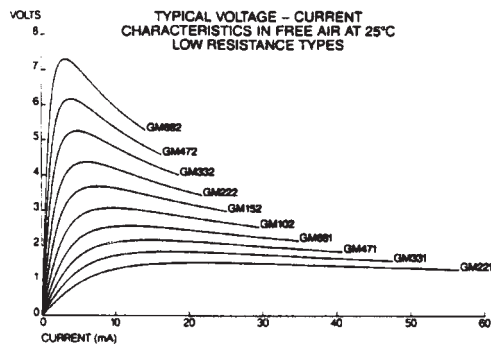
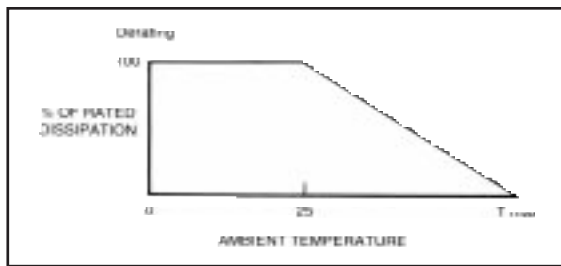
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DATA:

- Resistant tolerance at reference temperature $\pm 20\%$, $\pm 10\%$, $\pm 5\%$
- B value tolerance $\pm 3\%$
- Time constant (cooling) 5s
- Dissipation factor 0.75mW/K
- Typical resistance change after 10,000 hours at 25°C $< 1\%$
- Weight 01g
- Pack quantity 25

CODING:

GM	GM TYPE
47	Base resistance factor at 25°C
	Resistance multiplier
	1 = 10^1 ,
3	2 = 10^2 ,
	3 = 10^3 ,
	4 = 10^4 ,
	5 = 10^5 ,
	Resistance tolerance at reference temperature
Y	W = $\pm 20\%$,
	Y = $\pm 10\%$,
	Z = $\pm 5\%$,
eg GM473Y = $47 \times 10^3 \Omega = 47k\Omega \pm 10\%$ at 25°C	



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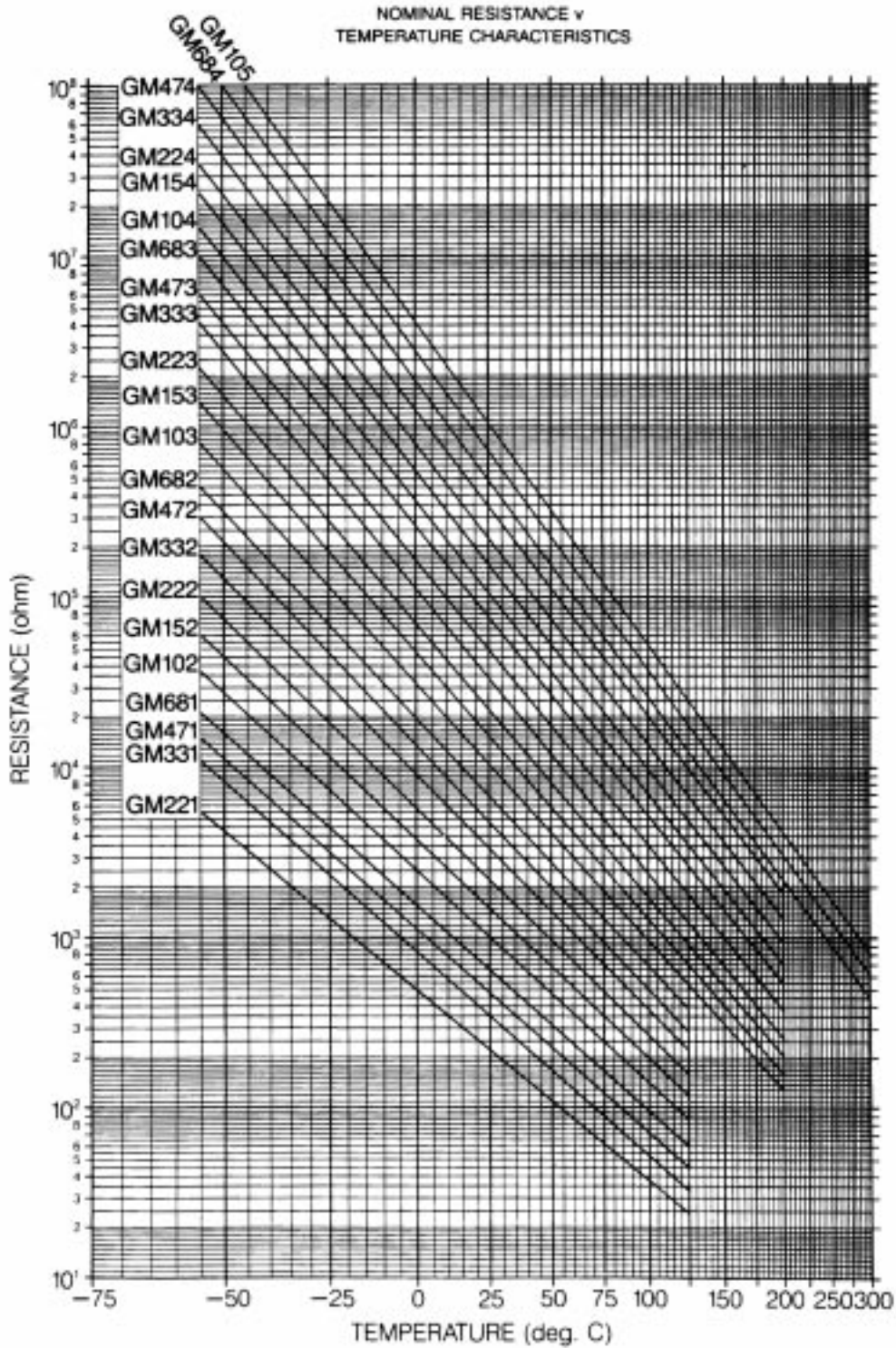
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