



NTC THERMISTORS: TYPE MA354-100

450°C GLASS ENCAPSULATED BEAD

DESCRIPTION:

Bead in a solid soda glass pellet suitable for temperature measurement and control in the range 100 to 450°C

The device consists of a bead of semiconductor material integrally formed on two platinum wires. These are welded to two nickel-iron leadout wires.

DATA:

R100350kΩ

R100 tolerance±10%, ±20%

B value 100-2004700k

B value tolerance±5%

Maximum body temperature continuous excursions450°C
.....550°C

Dissipation constant k (nom)1.2mW/°C

Time constant τ (nom)20s

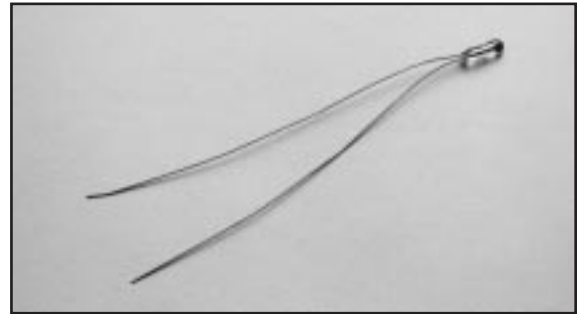
Weight (nom)0.07g

Power Rating:

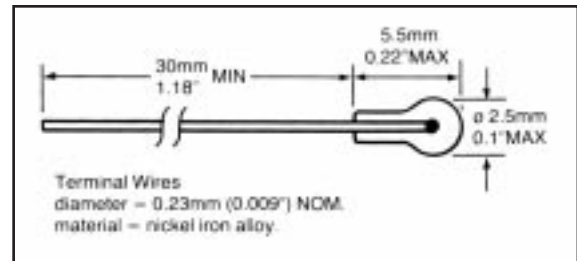
These devices are not intended for self-heated applications.

Note:

Although these devices are glass encapsulated no insulation properties are implied.



DIMENSIONS:



CODING:

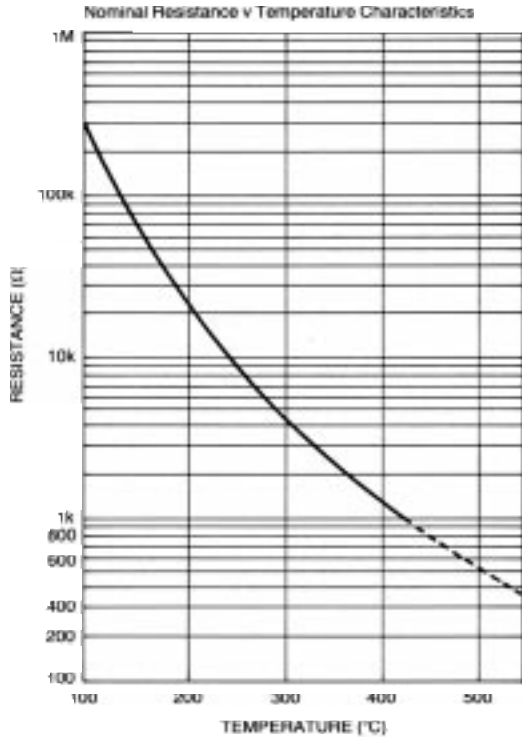
MA	MA type
354	Reference resistance 354 = 350kΩ
W	Resistance tolerance W = ±20%, Y = ±10%
100	Reference temperature = 100°C



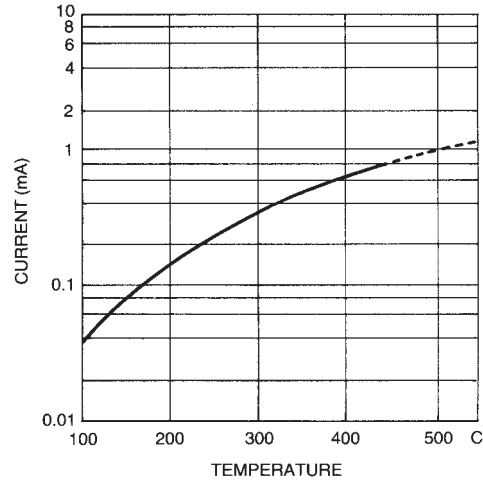
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Nominal Resistance v Temperature Characteristics



Maximum Current v Temperature Characteristics for temperature measurement to a resolution of 1°C



Note
For information on operation between 450°C and 550°C please contact our Technical Sales Department.

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