



# 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:

**R100** .....350kΩ

**R100 tolerance** .....±10%, ±20%

**B value 100-200** .....4700k

**B value tolerance** .....±5%

**Maximum body temperature continuous excursions** .....450°C  
.....550°C

**Dissipation constant k (nom)** .....1.2mW/°C

**Time constant τ (nom)** .....20s

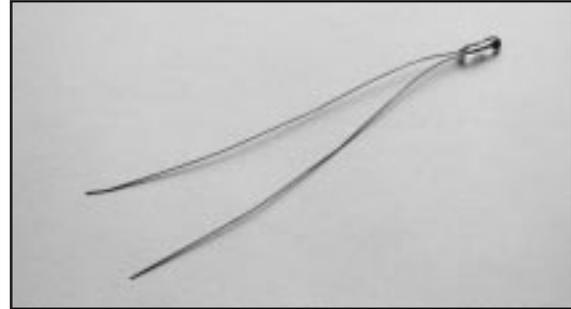
**Weight (nom)** .....0.07g

#### Power Rating:

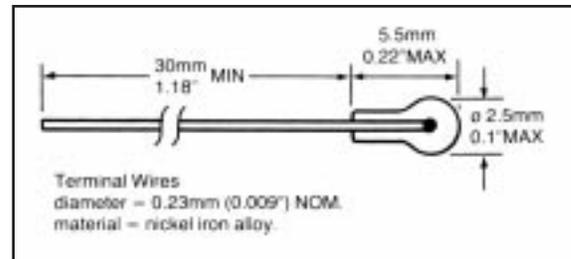
These devices are not intended for self-heated applications.

Note:

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



### DIMENSIONS:



### CODING:

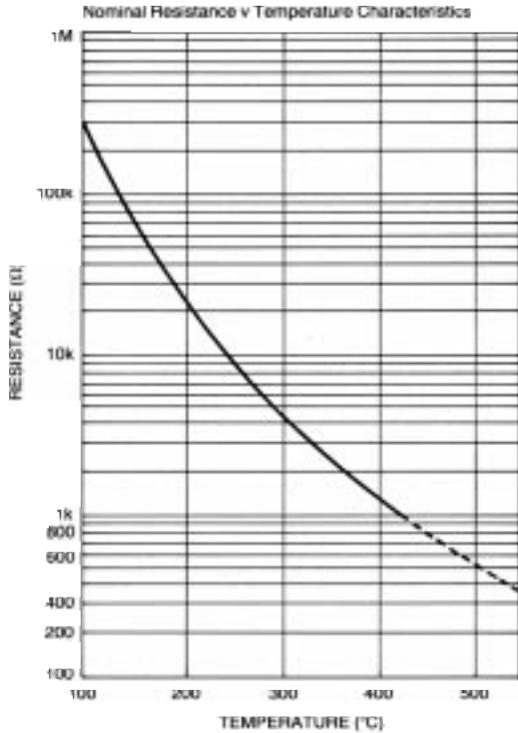
MA	MA type
354	Reference resistance 354 = 350kΩ
W	Resistance tolerance W = ±20%, Y = ±10%
100	Reference temperature = 100°C



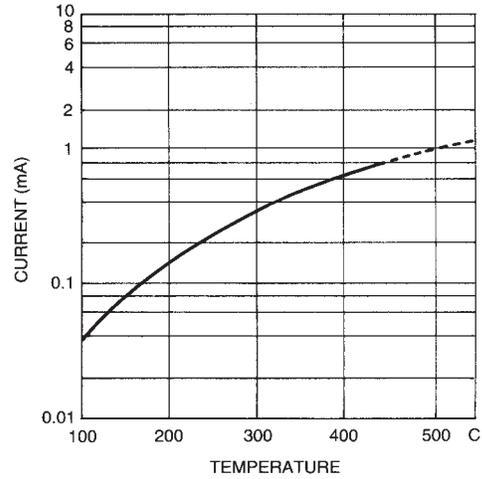
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## 450°C GLASS ENCAPSULATED BEAD

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.