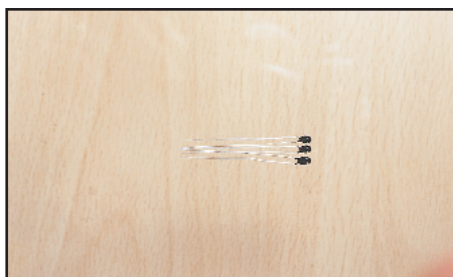
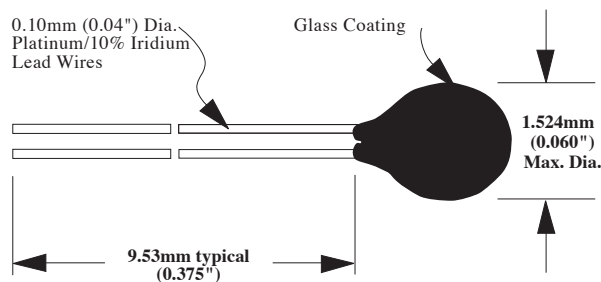


Glass Coated BetaCHIP Thermistor Series:



Thermistor Configuration



Applications

- Over temperature protection for applications up to 300°C
- Coil heater sensors
- Photo copier ink sensors

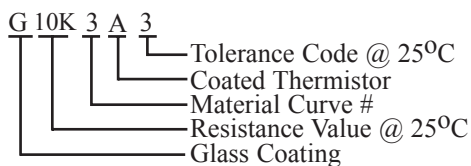
Features

- Rapid Time Response (<1 second typical in liquids).
- DC (Dissipation Constant) = 0.40 mW/°C typical in still air at 25°C.
- Min./Max. Temperature Exposure = -80°C to 300°C.
- Available in custom probe assemblies.
- Excellent "long term" stability at high temperatures.
- Glass Hermetic Seal covering thermistor element.
- Weldable Pt/Ir lead wires.

The Glass coated *BetaCHIP Thermistors* are small glass coated devices with solid 0.1mm diameter Platinum/10%Iridium lead wires. The series offers a choice of +/- 5% and +/- 10% tolerance classifications as standard. Higher or tailored precision tolerances are available upon special request. Glass coated thermistors are generally selected for applications that exceed +150°C.

The *Glass Coated BetaCHIP Series* is produced with same high reliability chip thermistor materials as our *BetaCURVE Series*. The conductor materials (Platinum/Gold and Platinum/Iridium) used in conjunction with our thermistor materials raise the maximum temperature exposure rating to 300°C. Although glass coated thermistors will withstand temperatures to 300°C, it is recommend limiting the "long term" temperature usage range from -80°C to 225°C due to thermal aging characteristics. High temperature storage tests (2000 hrs. @ 150°C) have been documented showing superior stability (Avg delta R = 0.016%).

Example: Glass Coated BetaCHIP Series Part Number



Standard Glass Coated Thermistor Part Numbers and Specifications:

| Part Number for +/- 5% @ 25 °C | Part Number for +/- 10% @ 25 °C | Resistance @ 25 °C (Ohms) | Alpha @ 25 °C | 0/50 °C Beta Value | Curve # |
|--------------------------------|---------------------------------|---------------------------|---------------|--------------------|---------|
| G10K3A3 | G10K3A2 | 10000 | -4.39% | 3892 | 3 |
| G20K3A3 | G20K3A2 | 20000 | -4.39% | 3892 | 3 |
| G50K6A3 | G50K6A2 | 50000 | -4.68% | 4143 | 6 |
| G100K6A3 | G100K6A2 | 100000 | -4.68% | 4143 | 6 |
| G200K6A3 | G200K6A2 | 200000 | -4.68% | 4143 | 6 |
| G500K6A3 | G500K6A2 | 500000 | -4.68% | 4143 | 6 |