

STANDARD GLASS COATED **BetaCHIP**

(Standard Tolerance $\pm 5\%$ and 10% at 25°C .)

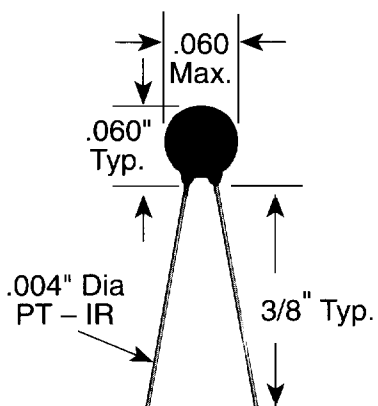
FEATURES

- Resistance Values from 200 Ohms TO 1 Meg.Ohm
- High Reliability
- Hermetically Sealed in Glass Coating
- Excellent Long - Term Stability at Elevated Temperatures
- Platinum - Iridium Leads are Solderable and Weldable
- Time Constant equals 4 seconds maximum in still air
- Dissipation Constant equal to $.4 \text{ mW}/^{\circ}\text{C}$ minimum in air @ 25°C .



Betatherms Glass Coated **BetaCHIP** Thermistors are made from the same high quality and high stability chip element as Betatherm's other product family members. High Temperature Storage tests (2000 hrs @ 150°C) have been documented showing superior stability (Avg $\Delta R=0.016\%$). The recommended operating range for the glass coated **BetaCHIP** Thermistor is -60°C to 300°C . The glass coated **BetaCHIP** Thermistors will meet or exceed the testing requirements of Mil-T-23648A.

R_0 @ 25°C Ohms	% Tol	Code Number	$B_{25^{\circ}\text{C}}$ Ratio	PT Coeff
200	10	G.2K1BA2	4.8	1
1,000	10	G1K7A2	6.93	7
2,000	10	G2K7A2	6.93	7
5,000	10	G5K7A2	6.93	7
10,000	10	G10K6A2	6.93	7
20,000	10	G20K6A2	6.93	7
50,000	10	G50K6A2	6.93	7
100,000	10	G100K6A2	10.45	6
500,000	10	G500K18A2	11.78	18
1 meg.	10	G1M9A2	13.40	9



Lead length $3/8"$; lead material PT-IR; lead dia..004

*Contact **BetaTHERM** Engineering relative to specific requirements and product availability.

D.C. — Power in milliwatts required to raise thermistor temperature 1°C .

T.C. — Time required for thermistor to indicate 63% of a new impressed temperature

Other tolerances, materials, and configurations available upon request.