



## DO-35 GLASS AXIAL NTC THERMISTORS

Glass Encapsulation

Ø 1.9mm Diameter

Axial 24 AWG Tin/Nickel Plated Copper Leads

RoHS Compliant

The DO-35 Series NTC Thermistor is hermetically sealed in a DO-35 diode style glass encapsulated package. The rugged package can be used in applications with a temperature range of -40°C to +250°C. The leads are suitable for welding or soldering. The axial leads make this device suitable for PC board mounting.

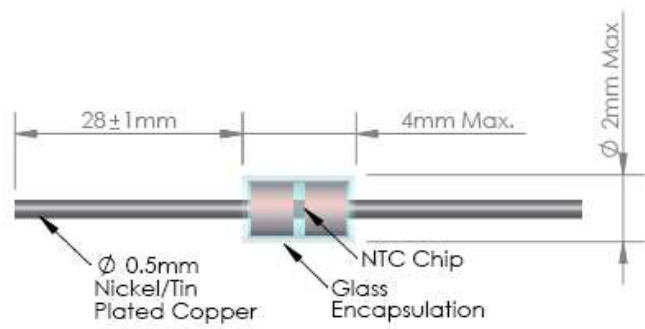
### FEATURES

- 5K to 200K Ohms Resistance @ 25C
- Proven Stability and reliability
- Temperature range -40°C to +250°C

### APPLICATIONS

- Consumer electronics
- PCB temperature sensing
- Air conditioning
- Low cost probe assemblies

**MECHANICAL DETAILS**



**STABILITY**

| Reliability Tests         | Standard       | Test Condition                                                                       | Delta R |
|---------------------------|----------------|--------------------------------------------------------------------------------------|---------|
| Storage in Dry Heat       | IEC 60068-2-2  | Storage temperature: 200°C & 250°C<br>Duration: 1000 hours                           | < 3%    |
| Storage in Damp Heat      | IEC 60068-2-3  | Temperature of air is 40°C & RH 93%<br>Duration: 56 days                             | < 2%    |
| Rapid Temperature Cycling | IEC 60068-2-14 | Lower Test Temperature -55°C<br>Upper Test Temperature +200°C<br>Number of Cycles 50 | < 2%    |

## ORDERING INFORMATION

| Part Number     | Resistance<br>[Ω] @ +25°C | Tolerance @<br>+25°C | Beta Value<br>25/85 | Beta<br>Tolerance | Operating<br>Temperature |
|-----------------|---------------------------|----------------------|---------------------|-------------------|--------------------------|
| GA5KF3550DPGS   | 5,000                     | ± 1%                 | 3550                | ± 2%              | -40° to +200°C           |
| GA10KF3270DPGN  | 10,000                    | ± 1%                 | 3270                | ± 2%              | -40° to +250°C           |
| GA10KF3435DPGS  | 10,000                    | ± 1%                 | 3435                | ± 2%              | -40° to +200°C           |
| GA10KF3550DPGN  | 10,000                    | ± 1%                 | 3550                | ± 2%              | -40° to +250°C           |
| GA10KF3700DPGN  | 10,000                    | ± 1%                 | 3700                | ± 2%              | -40° to +250°C           |
| GA10KF3950DPGN  | 10,000                    | ± 1%                 | 3950                | ± 2%              | -40° to +250°C           |
| GA10KF3960DPGN  | 10,000                    | ± 1%                 | 3960                | ± 2%              | -40° to +250°C           |
| GA10KF3975DPGS  | 10,000                    | ± 1%                 | 3975                | ± 2%              | -40° to +200°C           |
| GA20KF3960DPGN  | 20,000                    | ± 1%                 | 3960                | ± 2%              | -40° to +250°C           |
| GA50KF3950DPGN  | 50,000                    | ± 1%                 | 3950                | ± 2%              | -40° to +250°C           |
| GA50KF3960DPGN  | 50,000                    | ± 1%                 | 3960                | ± 2%              | -40° to +250°C           |
| GA100KF3975DPGN | 100,000                   | ± 1%                 | 3975                | ± 2%              | -40° to +250°C           |
| GA100KF4300DPGN | 100,000                   | ± 1%                 | 4300                | ± 2%              | -40° to +250°C           |
| GA200KF4000DPGN | 200,000                   | ± 1%                 | 4000                | ± 2%              | -40° to +250°C           |

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