

DO-35 Series Thermistor Components

- 5 to 200K Ohms Resistance @25°C
- Hermetically Sealed Package
- Proven Stability and Reliability
- Rated up to +250 °C
- PCB Mounting
- Low Cost



DO-35 SERIES THERMISTORS

The NTC Chip is hermetically sealed in DO-35 diode style glass package.

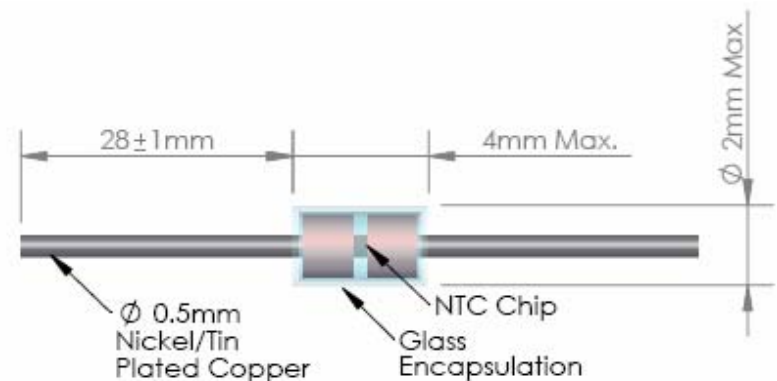
FEATURES

- 5 to 200K Ohms Resistance @25°C
- Proven Stability and Reliability
- Glass Encapsulation
- 24AWG Tin/Nickel Plated Copper Leads
- Temperature range -40°C to +250°C
- RoHS Compliant

APPLICATIONS

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

Dimensions



DO-35 Series Thermistor Components

Stability

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

Product Definition

Part Number	Resistance [Ω] @ +25°C	Tolerance @ +25°C	Beta Value 25/85	Beta Tolerance	Operating Temperature
5KF3550DPGS	5,000	± 1%	3550	± 2%	-40° to +200°C
10KF3270DPGN	10,000	± 1%	3270	± 2%	-40° to +250°C
10KF3435DPGS	10,000	± 1%	3435	± 2%	-40° to +200°C
10KF3550DPGN	10,000	± 1%	3550	± 2%	-40° to +250°C
10KF3700DPGN	10,000	± 1%	3700	± 2%	-40° to +250°C
10KF3950DPGN	10,000	± 1%	3950	± 2%	-40° to +250°C
10KF3960DPGN	10,000	± 1%	3960	± 2%	-40° to +250°C
10KF3975DPGS	10,000	± 1%	3975	± 2%	-40° to +200°C
20KF3960DPGN	20,000	± 1%	3960	± 2%	-40° to +250°C
50KF3950DPGN	50,000	± 1%	3950	± 2%	-40° to +250°C
50KF3960DPGN	50,000	± 1%	3960	± 2%	-40° to +250°C
100KF3975DPGN	100,000	± 1%	3975	± 2%	-40° to +250°C
100KF4300DPGN	100,000	± 1%	4300	± 2%	-40° to +250°C
200KF4000DPGN	200,000	± 1%	4000	± 2%	-40° to +250°C

The information in this sheet has been carefully reviewed and is believed to be accurate; however, no responsibility is assumed for inaccuracies. Furthermore, this information does not convey to the purchaser of such devices any license under the patent rights to the manufacturer. Measurement Specialties, Inc. reserves the right to make changes without further notice to any product herein. Measurement Specialties, Inc. makes no warranty, representation or guarantee regarding the suitability of its product for any particular purpose, nor does Measurement Specialties, Inc. assume any liability arising out of the application or use of any product or circuit and specifically disclaims any and all liability, including without limitation consequential or incidental damages. Typical parameters can and do vary in different applications. All operating parameters must be validated for each customer application by customer's technical experts. Measurement Specialties, Inc. does not convey any license under its patent rights nor the rights of others.

Ordering Information

NORTH AMERICA

Measurement Specialties, Inc.
910 Turnpike Road
Shrewsbury, MA 01545
Tel: 1-508-842-0516
Fax: 1-508-842-0342

Sales email:
temperature.sales.amer@meas-spec.com

EUROPE

Measurement Specialties, Inc
Ballybrit Business Park
Galway Ireland
Tel: +353-91-753238
Fax: +353-91-770789

Sales email:
temperature.sales.emea@meas-spec.com

ASIA

Measurement Specialties (China) Ltd.
No. 26 Langshan Road
Shenzhen High-Tech Park (North)
Nanshan District, Shenzhen 51807
China
Tel: +86 (0) 755 33305088
Fax: +86 (0) 755 33305099

Sales email:
temperature.sales.asia@meas-spec.com