#### 美隆電子有限公司 MAYLOON ELECTRONIC CO., LTD.,

## SENSOR (NTC THERMISTOR)

SINLOON®

# **IN Series**



#### Feature:

- High accuracy tolerances to +/-0.10°C
- Operating ranges from -50°C to 150°C
- Small size with ease of handling
- Proprietary processes produce top of the line quality and stability

### SPECIFICATIONS



Interchangeable refers to how accurately thermistors guarantee (R/T) curve over a range of temperatures. This allows every thermistor to be interchangeable with every other thermistor of the same series specifications without re-calibration of

SPECIFICATIONS					
Temperature rating/ Recommended operating ranges	IN Series thermistors may be intermittently cycled at temperatures from -50°C to 150°C. Optimum stability is achieved when they are operated at temperatures within the	R/T Curve	IN Series thermistors are available in all R/T curve materials. Detailed curve material information on pages 35-37		
	specified temperature range. -20°C to 50°C.	Dissipation constant	2 mW/°C in still air 13 mW/°C in stirred oil		
Temperature ranges	0°C to 50°C 20°C to 45°C, 0°C to 70°C,	Thermal time constant	Typically 0.75 second in stirred oil		
Tolerances	0°C to 100°C ±0.10°C, ±0.20°C, ±0.50°C, ±1.00°C	Custom options	Additional temperature and tolerance ranges. Various lead materials, diameters and lengths.		

#### **ORDERING INFORMATION**

Examples of Interchangeable NTC Thermistors - IN Series

Part No.	R/T Curve	Res. In ohms @25°C	Tolerance	Tolerance Range	Lead Type	AWG	Coating	O.L.
ES IN-A001K-C3-13	А	1K	± 0.2 °C	0 to 70°C	Tinned copper	30	Phenolic	2"
ES IN-A001K-D4-17-03	А	1K	± 0.1 °C	0 to 100°C	Tinned alloy 180	32	Phenolic	3"
ES IN-A010K-C3-13	А	10K	± 0.2 °C	0 to 70°C	Tinned copper	30	Phenolic	2"
ES IN-A010K- D4-17-03	А	10K	± 0.1 °C	0 to 100°C	Tinned alloy 180	32	Phenolic	3"
ES IN-A010K-C2-13	А	10K	± 0.2 °C	-20 to 50°C	Tinned copper	30	Phenolic	2"
ES IN-A100K-A1-13	А	100K	± 1.0 °C	20 to 45°C	Tinned copper	30	Phenolic	2"
ES IN-A006K-C1-13	А	6K	± 0.2 °C	20 to 45°C	Tinned copper	30	Phenolic	2"
ES IN-A2252-D1-13	А	2,252	± 0.1 °C	20 to 45°C	Tinned copper	30	Phenolic	2"
ES IN-B030K-D3-07	В	30K	± 0.1 °C	0 to 70°C	Tinned copper	32	Phenolic	2"
ES IN-B100K-B1-13	В	100K	± 0.5 °C	20 to 45°C	Tinned copper	30	Phenolic	2"
ESIN-C010K-A3-13	С	10K	± 1.0 °C	0 to 70°C	Tinned copper	30	Phenolic	2"
ES IN-D100K-A3-23	D	100K	± 1.0 °C	0 to 70°C	Tinned copper	30	Phenolic	3"
ES IN-G0300-B3-18-03	G	300	± 0.5 °C	0 to 70°C	Tinned alloy 180	32	ероху	3"





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## IN Series – Order Map



