

## NTC SERIES NTC2F-FAST RESPONSE AIR AND GAS TEMPERATURE SENSOR



The NTC2 Series of High Performance Temperature Sensors are designed to measure the temperatures of air and gas inlet on demanding motorsport and automotive testing applications.

The sensing element is a sub-miniature 10KΩ NTC Thermistor, with a very fast response time which helps to improve engine performance. Calibration of each is well defined and can be installed into most common ECUs and data logging systems.

Construction choice is either anodised aluminium, brass or stainless steel — all with a heat insulating PEEK ISOTIP™ which isolates the sensing element from surrounding heat soak. With standard motorsports cable and sleeve this will protect from the harsh environments around the vehicle.

### TECHNICAL SPECIFICATIONS

<b>Ranges (FS)</b>	-30°C to +200°C
<b>Accuracy</b>	±1°C
<b>Response Time</b>	<2 Seconds (In Moving Air)
<b>Sensor Type</b>	NTC 10KΩ
<b>Construction</b>	Brass, Aluminium or Stainless Steel with PEEK ISOTIP
<b>Electrical Connection</b>	100cm, 26AWG 55M Spec wire + Viton Sleeve
<b>Mechanical Connection</b>	See Part Number Configurator
<b>Protection Class</b>	IP67
<b>Weight (Excluding Cable)</b>	5g to 10g (Depending on Material)

	NTC10KΩ
Temp °C	Output Ω
-30	120370.00
-20	71668.00
-10	44087.00
0	27936.00
10	18187.00
20	12136.00
25	10000.00
30	8284.50
40	5774.20
50	4102.60
60	2967.30
70	2181.70
80	1628.80
90	1233.50
100	946.59
110	735.47
120	578.10
130	459.36
140	368.75
150	298.86
160	244.40
170	201.60
180	167.60
190	140.40
200	118.50

KA Sensors adopts a continuous development program which Sometimes necessitates specification changes without notice.

Sense  
Analyse  
Control

#### Features

- Fast Response
- With PEEK ISOTIP
- -30°C to +200°C
- 10KΩ NTC
- Rugged Construction

#### Applications

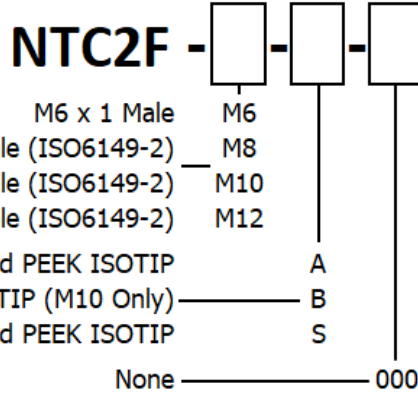
- Air Intake
- Turbo Temperature

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NTC2F  
KA038T-DS (rev1)

# PART NUMBER CONFIGURATOR



**Mounting Thread**

**Construction**

**Special Code**

*Sense  
Analyse  
Control*

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

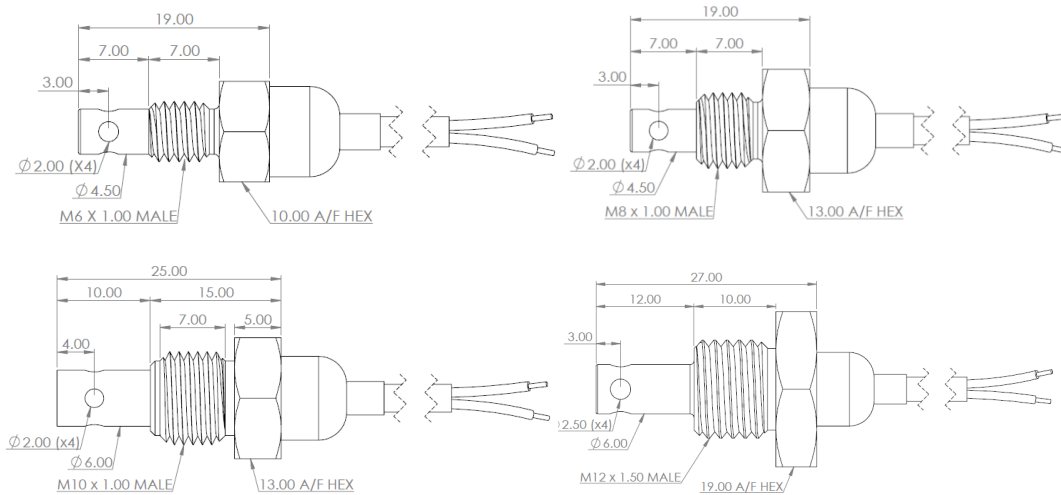
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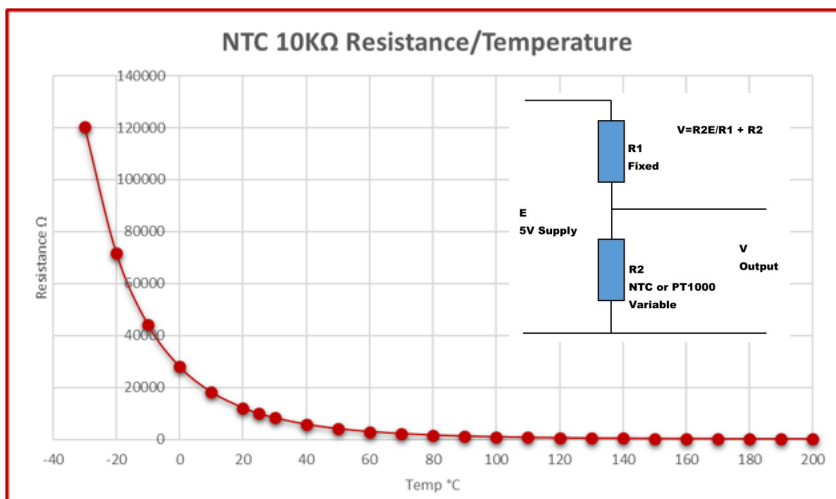
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## MECHANICAL DETAILS



## NTC 10KΩ TEMPERATURE GRAPH



## CONNECTION DETAILS

<b>Output</b>	<b>Output</b>
Red	White