



# | 5024 EGR SERIES

Custom High Temperature Sensor Packages

## Introduction

The 5024 EGR temperature sensors provide up to 300°C temperature sensing capability in fast response stainless steel packages. Developed for the exhaust gas recirculation market, the new 5024 EGR temperature sensors provide accurate high temperature output in the fastest responding immersion package on the market today.

Please contact Sensata Technologies for assistance in applying the 5024 EGR temperature sensors to meet your high temperature sensing needs.



## Features

- High temperature sensing NTC thermistor technology
- Fast response stainless steel packages in various thread sizes
- Lead wire or integral connector terminal options
- Available in 150°C or 300°C constructions



## SPECIFICATIONS

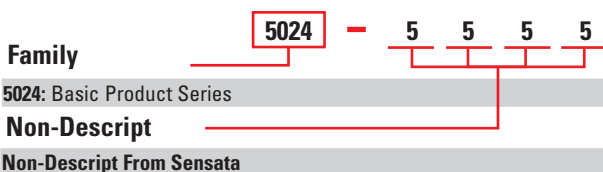
<b>Max Operating Temperature</b>	-55°C to 300°C (-67°F to 572°F)
<b>Temperature Tolerance</b>	150°C max version: 25°C ± 0.4°C, 150°C ± 0.6°C 300°C max version: 25°C ± 0.8°C, 300°C ± 3.7°C
<b>Body Material</b>	304 Stainless Steel
<b>Sensor Type</b>	150°C max version: 3,000 ohms @ 25C, NTC 300°C max version: 49,120 ohms @ 25C, NTC
<b>Mating Connector</b>	150°C max version: Packard Electric 12162193 300°C max version: Packard Electric 12162197



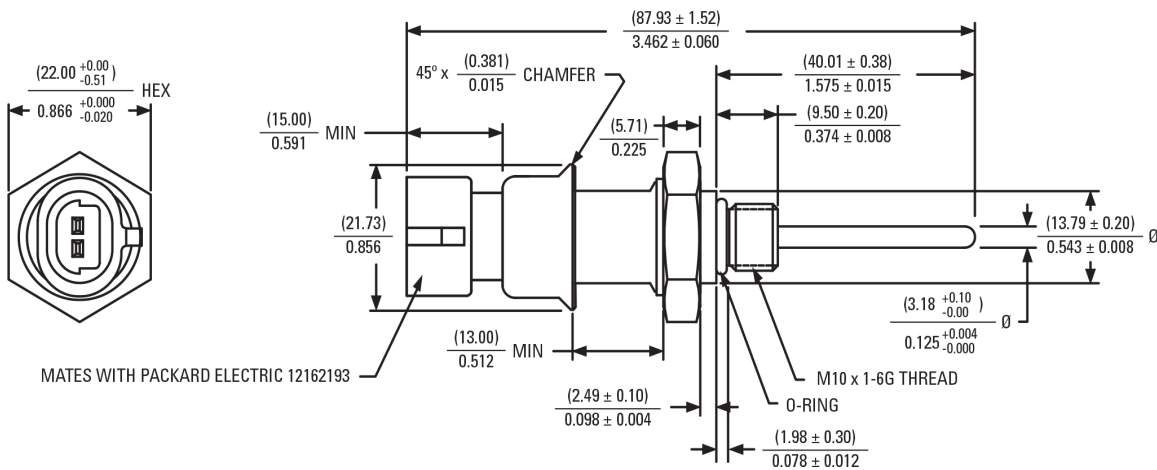
## ORDERING OPTIONS

Example : 5024-5555

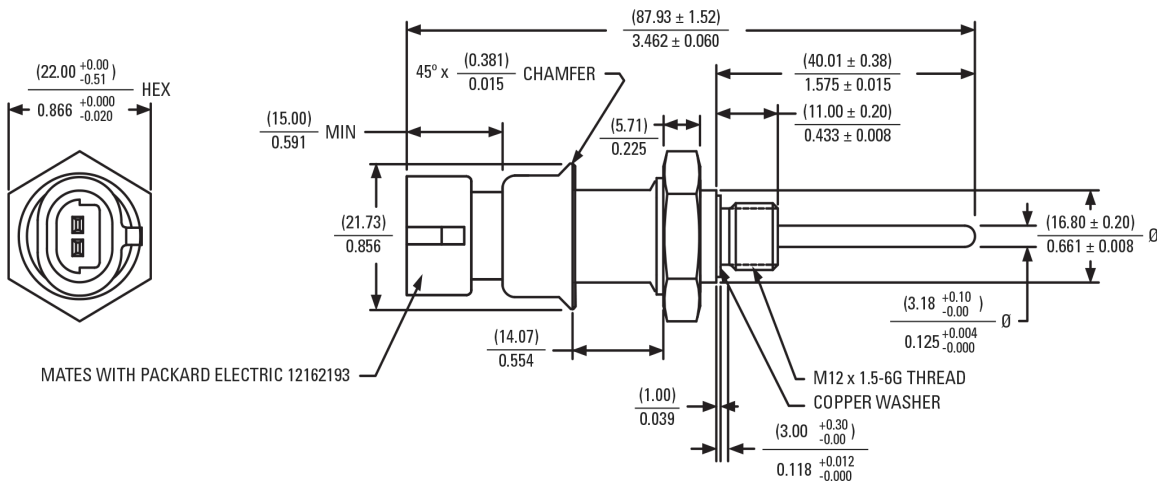
5024 series assigned a unique, 4-digit non-descript by Sensata Technologies to specify the body, terminals and sensing element.



## 5024 EGR 150°C Max Configuration



## 5024 EGR 300°C Max Configuration



### WARNINGS



#### RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE

- The product's side panels may be hot, allow the product to cool before touching
- Follow proper mounting instructions including torque values
- Do not allow liquids or foreign objects to enter this product

**Failure to follow these instructions can result in serious injury, or equipment damage.**



#### HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Disconnect all power before installing or working with this equipment
- Verify all connections and replace all covers before turning on power

**Failure to follow these instructions will result in death or serious injury.**

Page 2

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