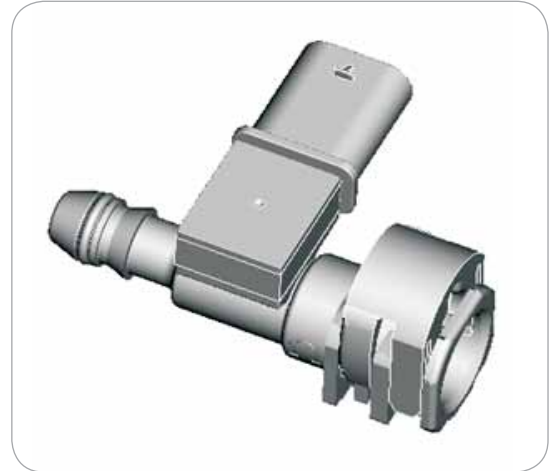


T H E R M O M E T R I C S
A COMMITMENT TO EXCELLENCE

A-1984 COOLANT TEMPERATURE SENSOR (CTS)

This sensor is intended to be placed in line to a coolant loop on a battery pack to measure the temperature of the flowing media.



Features

- Low Price
- High sensitivity
- Wide application
- Compact design
- Small Size
- Easy installation

Applications

- Battery coolant temperature sensor



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Thermistor Specifications

Resistance @ 77°F (25°C)

10KΩ +/-3%

Beta (25/85)°C

3435

Operating Temperature

-40°F to 239°F (-40°C to 115°C)

Storage Temperature

-40°F to 257°F (-40°C to 125°C)

NTC Part Number

NKS8185 (Material T1)

Housing Specifications

Housing Material

PA (Nylon)

Weight

13.6 grams

Mating Connector

Per USCAR 1.2mm 3 pin option

Tyco PN: 1-1703494-1

Quick Connect Fittings

Per SAE J-2044 for 3/8" fitting

RVT Table

Temperature °C	R nominal ohm	R minimum ohm	R maximum ohm	Tolerance -°C	Tolerance -°C
-40	209587	197207	222544	1.0	-1.1
-25	91971	87254	96856	1.0	-1.0
0	27758	26652	28884	0.9	-0.9
25	10000	9700	10300	0.8	-0.8
50	4143	3984	4305	1.2	-1.2
85	1451	1380	1523	1.8	-1.8
100	968	918	1021	2.0	-2.0
125	513.0	483.1	544.4	2.4	-2.5
150	288.6	270.2	308.0	2.9	-3.1

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