

# Amphenol

## Advanced Sensors

|                                                                        |                                                     |                                    |
|------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------|
| THERMISTOR SPECIFICATION<br>NTC THERMISTOR TYPE:<br>RL1009-5820-97-S53 | Originated by: N Schaffner<br>THM Ref. No. 41717300 | PAGE 1 of 1<br>DATE:<br>09/29/2017 |
| CUSTOMER:                                                              | CUSTOMER SPECIFICATION No.                          |                                    |

### DESCRIPTION:

Radial Leaded Epoxy Coated NTC Thermistor

### ELECTRICAL SPECIFICATION

Resistance specification:

$336,600 \Omega \pm 13.4\%$  AT  $-40^{\circ}\text{C}$   
 $10,000 \Omega \pm 8.8\%$  AT  $25^{\circ}\text{C}$   
 $1750 \Omega \pm 6.86\%$  AT  $70^{\circ}\text{C}$   
 $390.0 \Omega \pm 5.13\%$  AT  $120^{\circ}\text{C}$   
 $342.0 \Omega \pm 4.97\%$  AT  $125^{\circ}\text{C}$   
 $185.0 \Omega \pm 4.32\%$  AT  $150^{\circ}\text{C}$

Material System

D9.7A

$\beta$  value 25/85:

3972

Dissipation constant:

3.0 mW/ $^{\circ}\text{C}$

Thermal Time Constant:

10 sec. still air

Temperature Range:

$-50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$

### OUTLINE DRAWING

Dimensions are in Inches

(Not to scale)

