SensComp, Inc. 36704 Commerce Rd. Livonia, MI 48150 USA Telephone: (734) 953-4783 Fax: (734) 953-4518 www.senscomp.com

## L Series 40LT10

SensComp's 'L' Series Open Face Piezoelectric Ultrasonic Sensors – 40LT10 and 40LR10

## **Features**

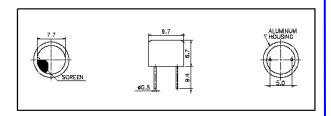
Open Face Construction Increased Sensitivity Reduced Ringing Characteristics, Specifically Intended for Operation in Air at Ultrasonic Frequencies

#### Part No.

\*PID# 626998ALF - L Series 40LT10 (Aluminum Housing)

\*PID# 626998BLF - L Series 40LT10 (Alum. Blk. Anodized)

## **Specifications**



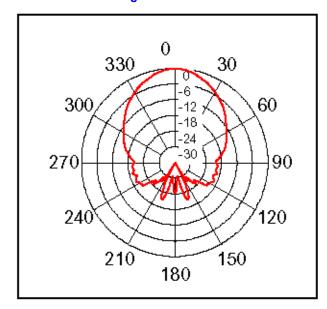
# **Specifications**







Beam Angle: Tested at 40.0 kHz

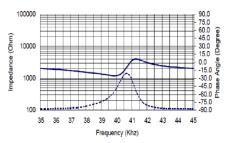


Dimensions: dimensions are in mm

<sup>\*</sup> RoHS Compliant

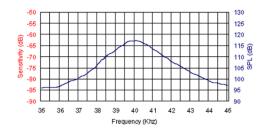
#### Impedance/Phase Angle vs. Frequency

Tested under 1 Vrms Oscillation Level



## **Sensitivity/Sound Pressure Level**

Tested under 10 Vrms @ 30 cm

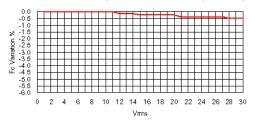


## **40LT10 Transmitter**

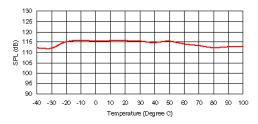
## **SPL Variation vs. Driving Voltage**



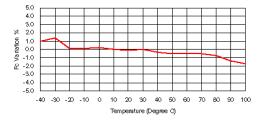
## **Center Frequency Shift vs. Driving Voltage**



## **SPL Variation vs. Temperature**



## Center Frequency Shift vs. Temperature



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