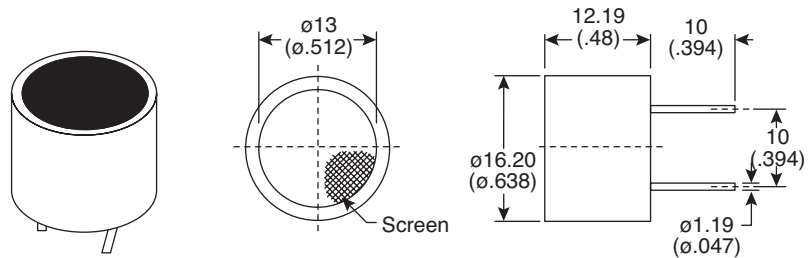


**Part Number:**

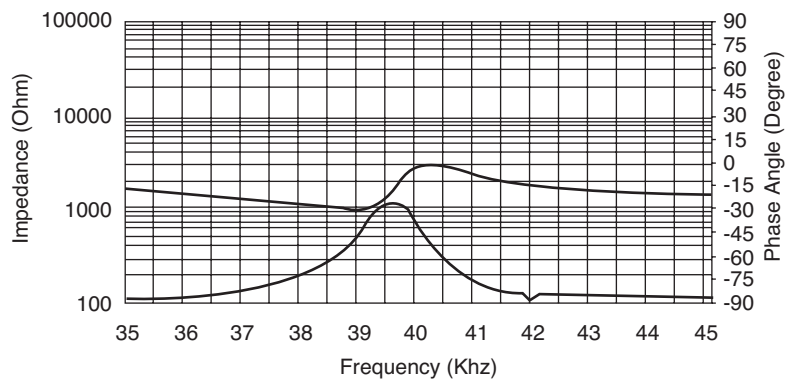
255-400PT16-ROX

**Dimensions: mm (In.)**

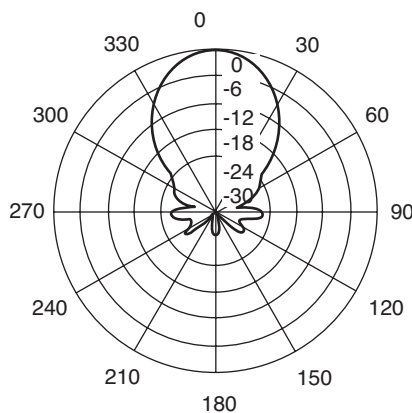


**Impedance/Phase Angle vs. Frequency**

Tested under 1Vrms Oscillation Level

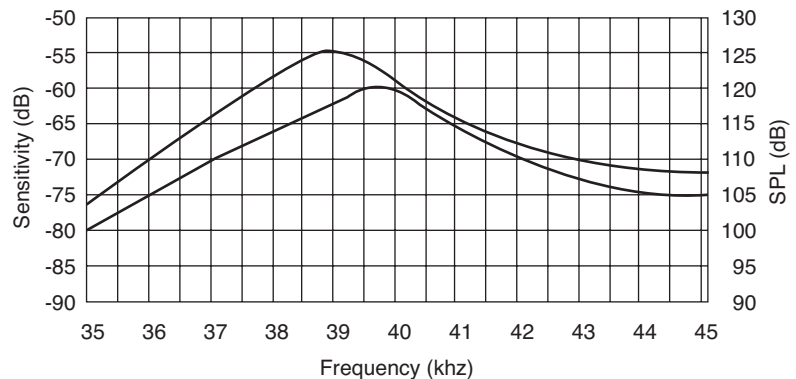


**Beam Angle:** Tested at 40.0KHz frequency



**Sensitivity/Sound Pressure Level**

Tested under 10Vrms @30cm



**Ultrasonic Transducer**

KT-400242

**Electrical Specifications:**

- Center frequency ( $f_0$ ): 40.0KHz  $\pm$  1.0KHz
- Nominal impedance: 1,000 $\Omega$
- Sound pressure level @  $f_0$ : 117dB
- Sensitivity @  $f_0$ : -53dB (0dB = 1V/ $\mu$  bar)
- Echo sensitivity @  $f_0$ : -45dB (0dB re 50 bursts sine wave of 20 volts peak-peak; 100cm reflection target)
- Bandwidth -6dB: 2KHz
- Ringing: 1.2mS (max.)
- Beam angle -6dB: 55°
- Capacitance @ 1KHz: 2,400pF  $\pm$  20%
- Max. driving voltage: 20Vrms (cont.)

**Mechanical Specifications:**

- Operating temperature: -30°C ~ +85°C
- Storage temperature: -40°C ~ +85°C

**Notes:**

- RoHS Compliant by Exemption