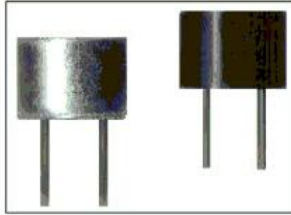


Air Ultrasonic Ceramic Transducers
 TCT40-16T/R-1.2.3



Asymmetric Beam Patterns
 Temperature Compensated
Specification

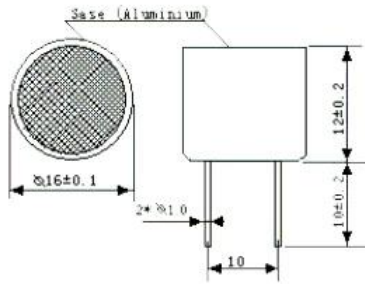
Transceiver	
Center Frequency	40.0±1.0Khz
Bandwidth (-6dB) F.O.M.	1.2Khz
Transmitting sound Pressure Level	120dB min.
at resonant frequency,0dB re 0.0002μ bar per 10Vrms at 30cm	
Receiving Sensitivity	-63dB min.
at resonant frequency 0dB=1 volt/μ bar	
Nominal Impedance (Ohm)	900
Ringing (measured with rubber holder as per figure on next page)	1.5ms max.
Capacitance at 1KHz ±25%	2400pF
Max. Driving Voltage (pulse width 0.5ms interval 50ms)	120Vp-p
Total Beam Angle -6dB	50° ±10°
Operation Temperature	-30to80°C
Storage Temperature	-40to85°C

All specification taken typical at 25°C
 Both lead pins and lead wires output are available
 Temperature compensated type is optional Upon request

Model available:

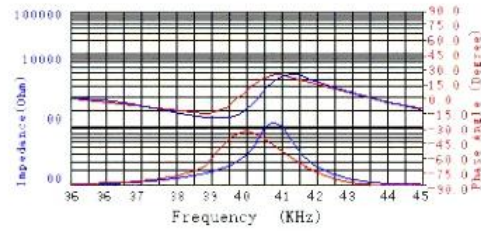
TCT40-16T/R-1	Plastic Housing
TCT40-16T/R-2	Aluminum Housing
TCT40-16T/R-3	Black Al- Housing

Dimensions: dimensions are in mm



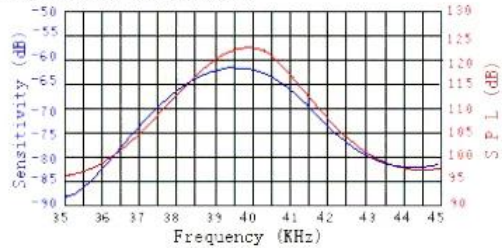
Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level

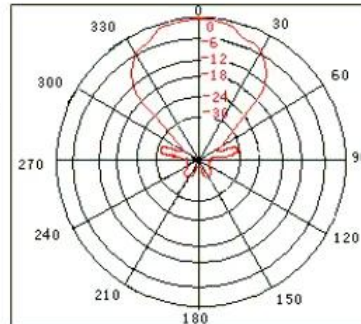


Sensitivity/Sound Pressure Level

Tested under 10Vrms@30cm



Beam Angle: Tested at 40.0Khz frequency



超声波传感器

TCT40-12 直径12mm



质

质量保证

精

精工制作

低

耗电量低

环

环保物料

直径12mm R接受/T发射



产品尺寸

