



- Side lobe suppression better than -21dB
- Small compact housing
- Ideal for watertight installation, due two double o-ring seal.

## TC3027

The TC3027 is a Universal 1MHz transducer ideal for sound velocity measurements and short range applications.

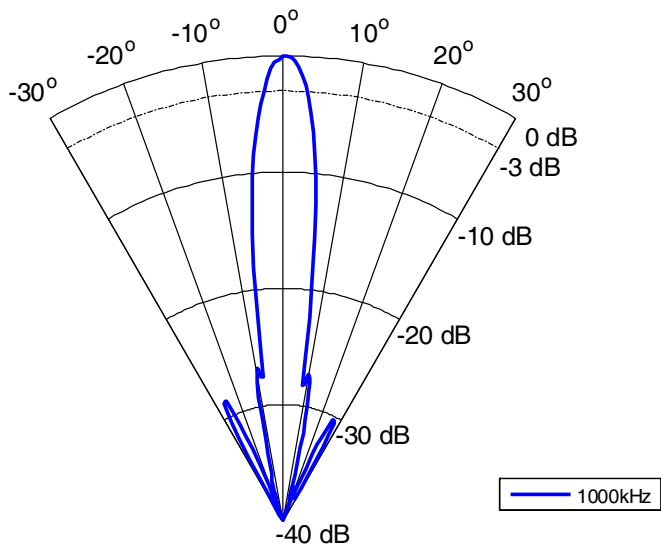
### TECHNICAL SPECIFICATIONS

Resonant Frequency:	1MHz
Transmitting Sensitivity:	170dB ±3dB at 1Mhz (re 1µPa/V at 1m)
Receiving Sensitivity:	-201dB ±3dB at 1Mhz (re 1V/µPa)
Impedance:	160° ± 60Ω at 1MHz
Directivity Pattern:	6.0° ± 0.5°
Beam shape:	Conical
Side lobe Suppression:	Better than -21dB
Max input power: (1% duty cycle)	10W
Operating depth:	500m
Survival depth:	800m
Operating temperature range:	-2°C to +50°C
Storage temperature range:	-30°C to +50°C
Cable: (Length and type)	1.5m coax cable RG174/u, pigtail
Housing:	PVC - black
Weight (air) incl. cable:	40g

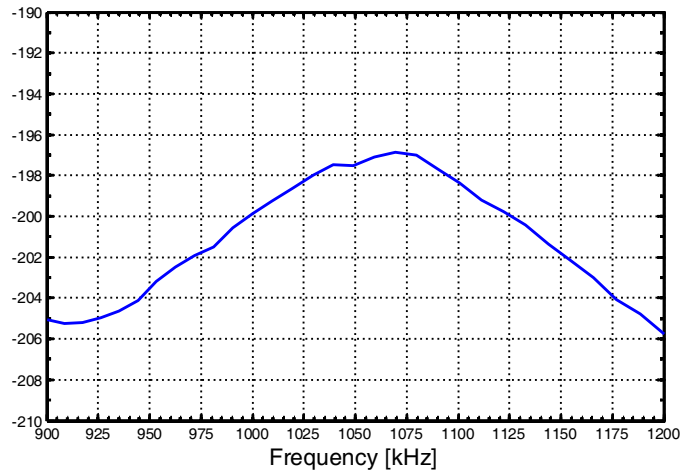
Please note that this product requires a minimum quantity per order



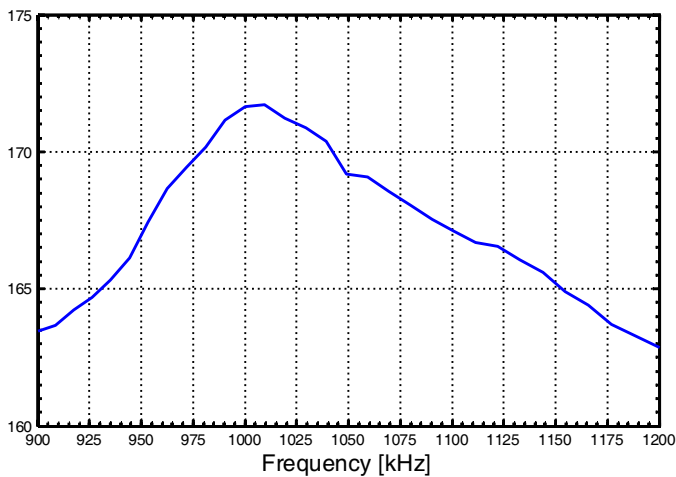
Horizontal directivity pattern



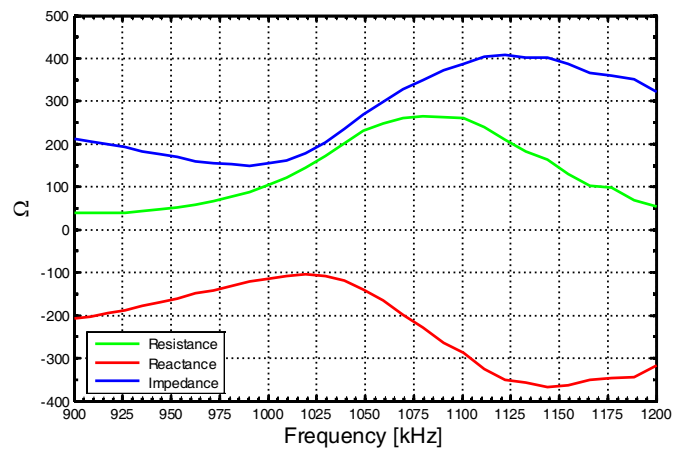
Receiving sensitivity



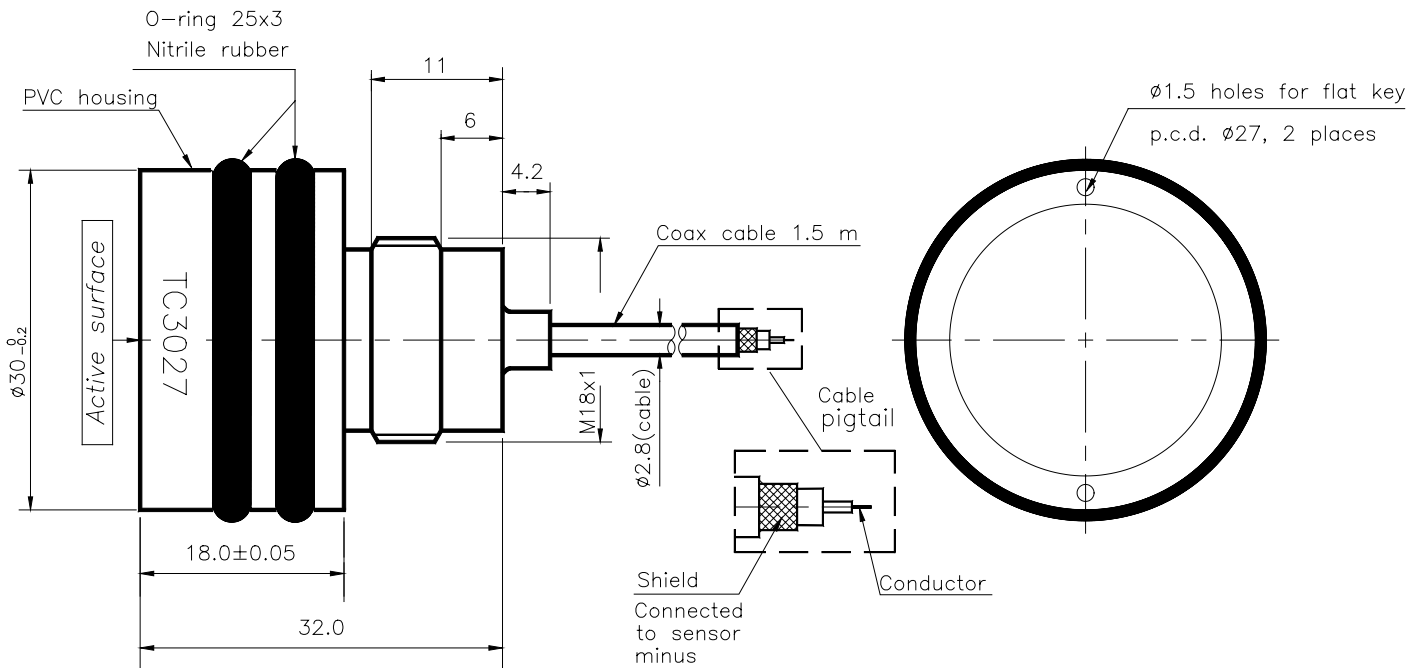
Transmitting sensitivity



Impedance



## Outline Dimensions



For information on export control regulations on this product, please refer to [www.reson.com](http://www.reson.com)



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