

# Transducer TC1037

Directional Telephone Transducer



## TC1037

- High performance low frequency transducer
- Ideal for installation due to steel housing and threaded guide
- Optional cable termination TL8038

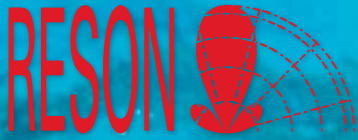
The TC1037 is a rugged directional transducer with low frequency. It is specifically designed for underwater telephone systems. Can be used as a building block in special long range sonars or in sub bottom penetration single or multibeam systems.

### TECHNICAL SPECIFICATIONS

Usable frequency band:	6kHz to 15kHz
Transmitting sensitivity:	145dB $\pm$ 3dB at 7,3kHz (re $\mu$ Pa/V at 1m)
Receiving sensitivity:	-169dB $\pm$ 3dB at 7,3kHz (re 1V/ $\mu$ Pa)
Impedance:	860ohm $\pm$ 250ohm at 7,3kHz
Beam shape:	Conical
Beam width:	80° at 8kHz
Max input power:	400W (1% duty cycle)
Operating depth:	600m
Survival depth:	800m
Operating temperature range:	-2°C to +35°C
Storage temperature range:	-40°C to +70°C
Cable (Optional)	Connector and 9m cable, pigtail
Housing:	Special formulated NBR
Weight (air) incl. cable:	5,8kg

Please note that this product requires a minimum quantity per order

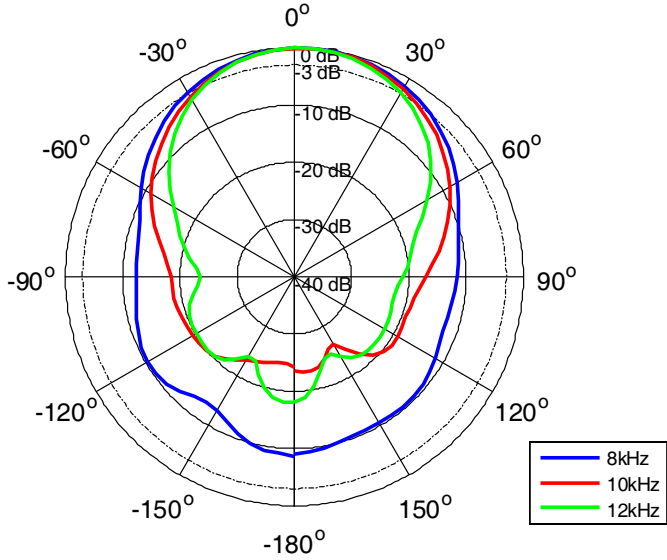




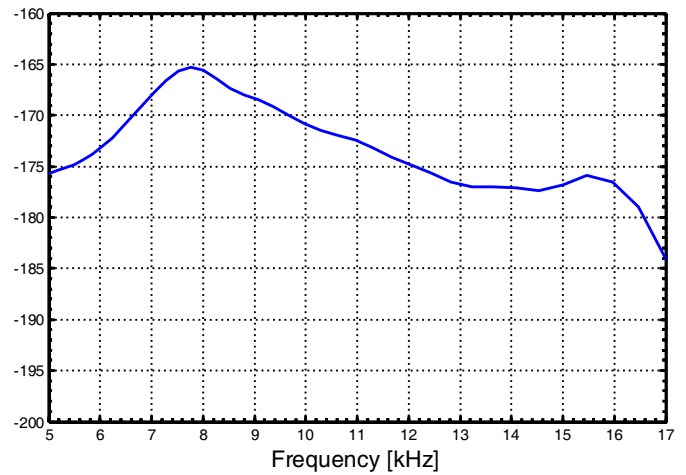
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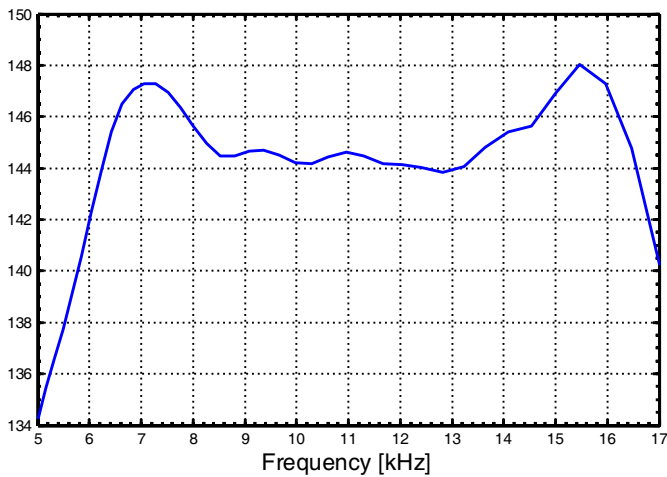
Horizontal Directivity Pattern



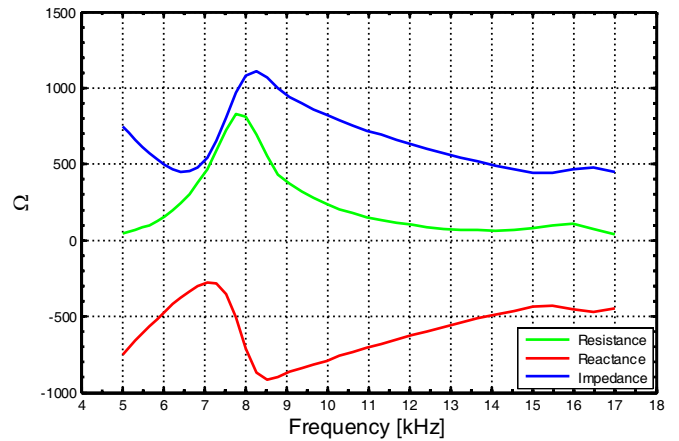
Receiving Sensitivity [dB re 1V/ $\mu$ Pa @ 1m]

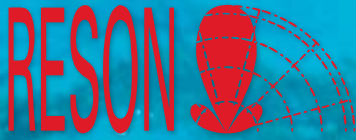


Transmitting Sensitivity [dB re 1 $\mu$ Pa/V @ 1m]



Impedance

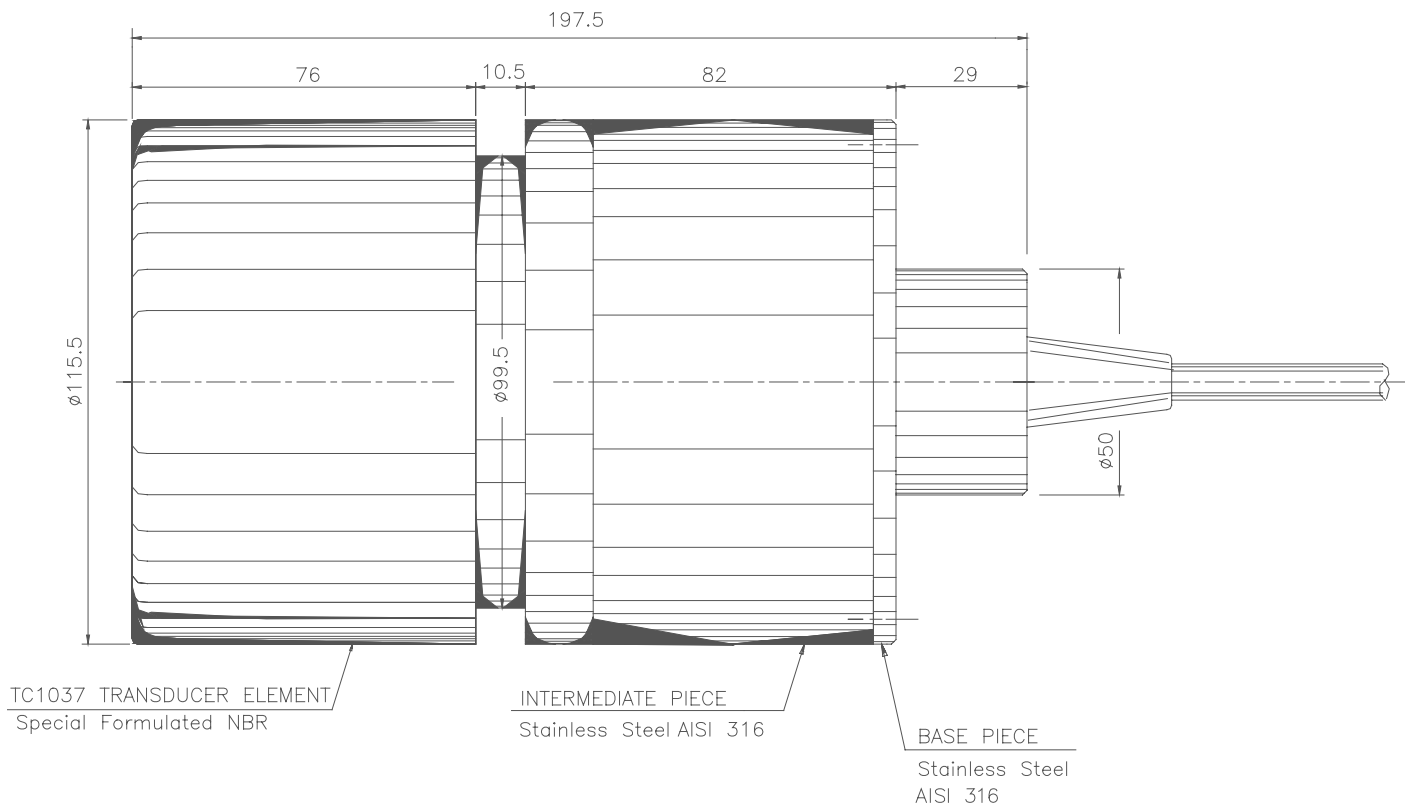




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## Outline Dimensions



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



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