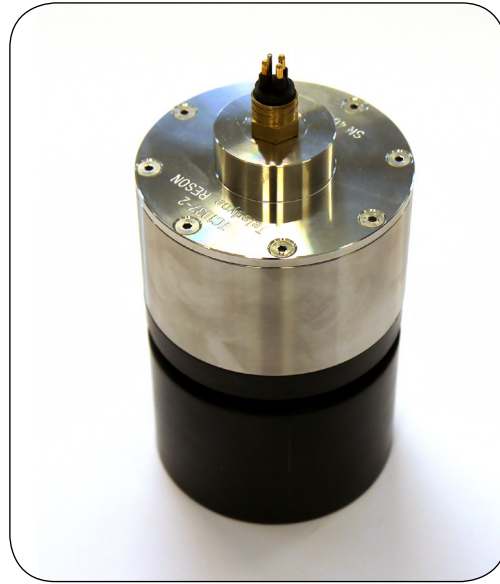




Teledyne RESON

TC 1037

Directional Telephone Transducer



TC1037

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:	148dB $\pm$ 3dB at 7,3kHz (re μ Pa/V at 1m)
Receiving sensitivity:	-168dB $\pm$ 3dB at 7,3kHz (re 1V/ μ Pa)
Impedance:	550ohm $\pm$ 200ohm 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: Impulse MCBH-3-MP.
Housing:	Special formulated NBR
Weight (air) incl. cable:	5,8kg

FEATURES

- High performance low frequency transducer
- Ideal for installation due to steel housing and threaded guide
- Optional cable: Impulse MCIL - 3- FS +MCDLS -F on Draka DSS -2 MIL - DTL -915/8

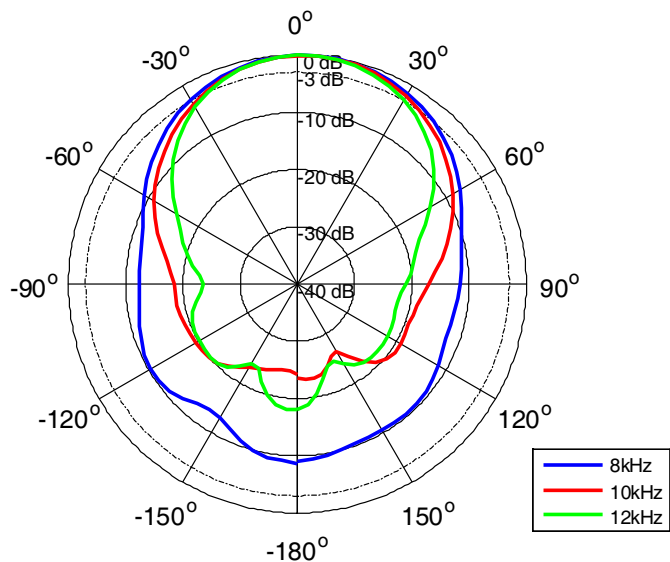
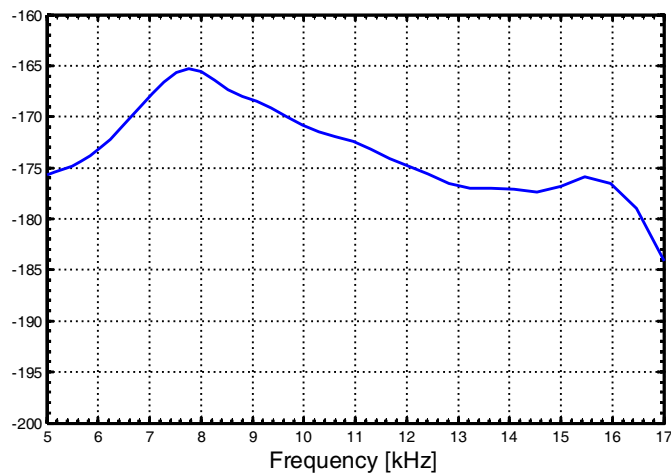
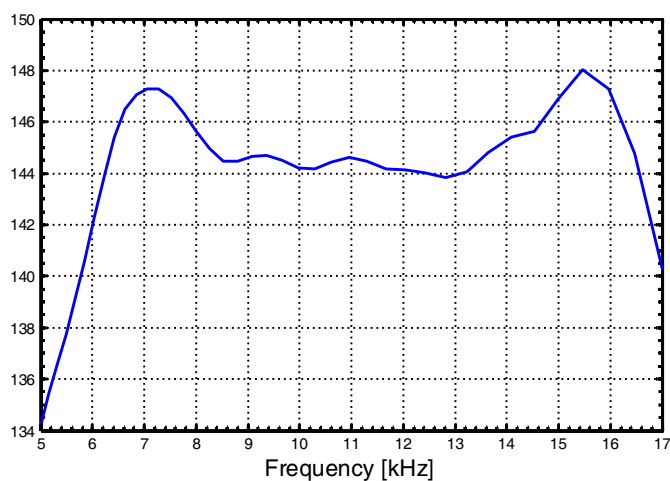




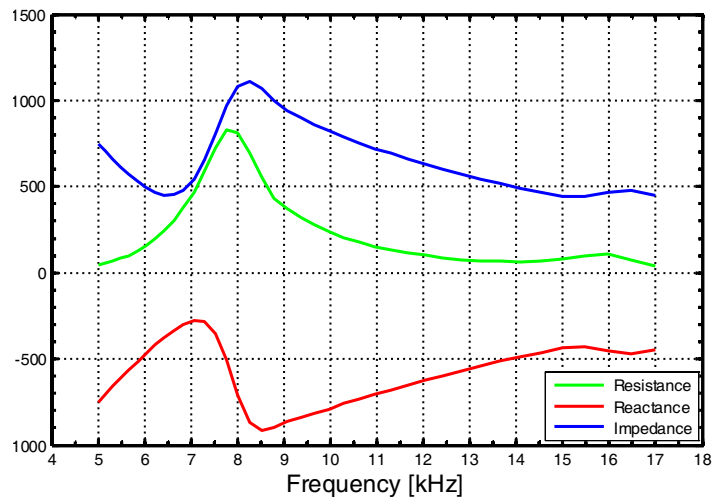
Transducer TC1037

Directional Telephone Transducer

Vertical directivity pattern

Receiving Sensitivity [dB re 1V/ μ Pa @ 1m]Transmitting Sensitivity [dB re 1 μ Pa/V @ 1m]

Impedance

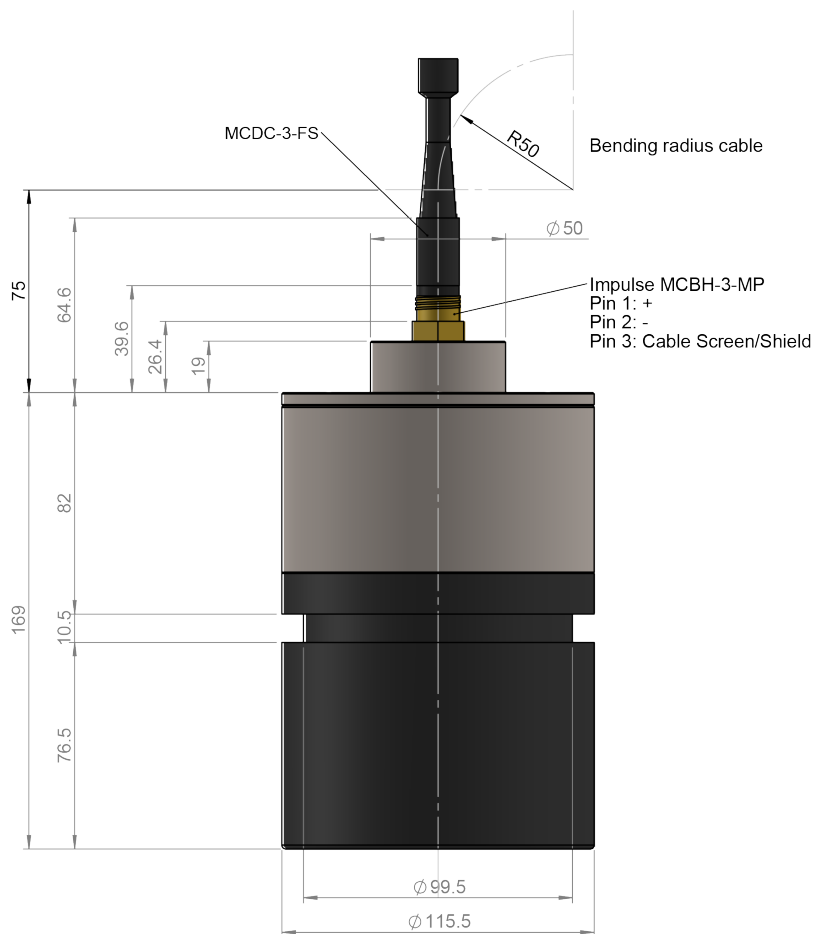




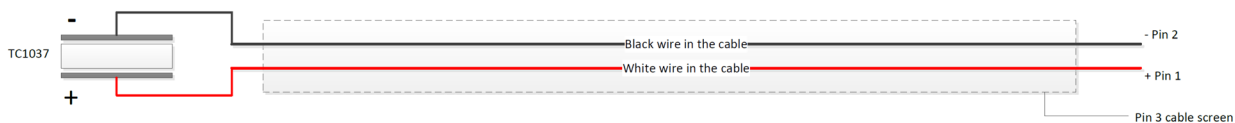
Transducer TC1037

Directional Telephone Transducer

Outline Dimensions



For reference wiring towards transducer



Cable option

