



- 36 kHz compact
- High efficient ceramic
- Easy to install
- Long life time

## TC1026

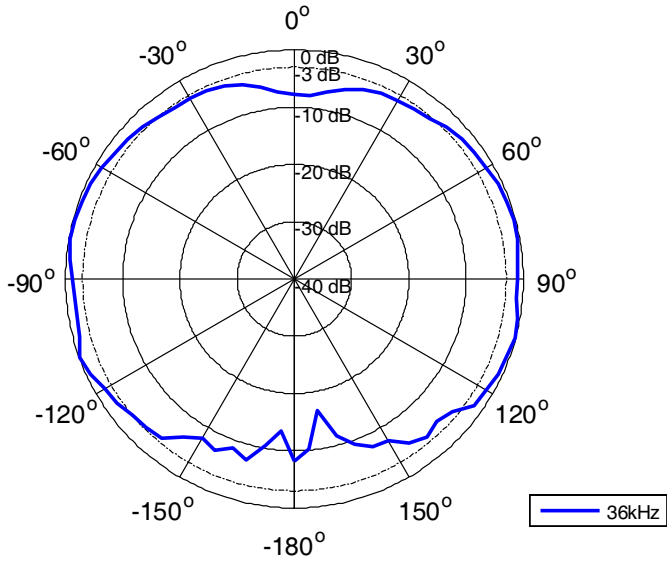
The TC1026 is a high power communication transducer for long/short base line measurement, pinger/transponder systems, acoustic telemetry systems and telephone systems.

### TECHNICAL SPECIFICATIONS

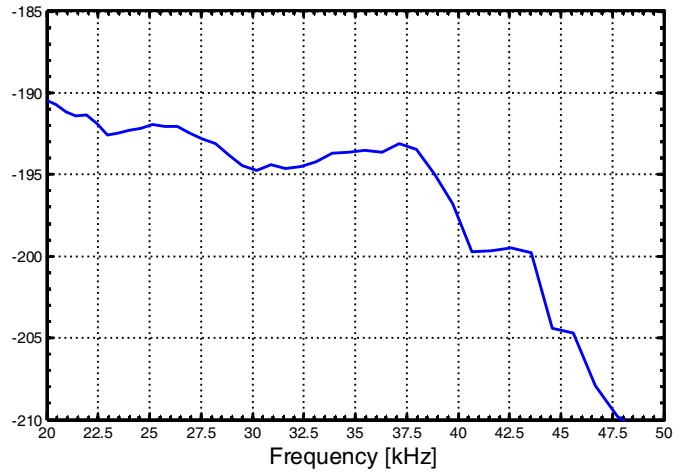
Resonant frequency:	36kHz $\pm$ 2kHz (34-38kHz)
Transmitting sensitivity:	137dB $\pm$ 3dB at 36kHz (re $\mu$ Pa/V at 1m)
Receiving sensitivity:	-193dB $\pm$ 3dB at 36kHz (re 1V/ $\mu$ Pa)
Impedance:	630ohm $\pm$ 10% 81° phase $\pm$ 10% at 36kHz
Vertical directivity pattern:	Typically $\pm$ 35° from horizontal plane
Horizontal directivity pattern:	Omnidirectional
Max input power: (1% duty cycle)	100W
Operating depth:	6000m
Survival depth:	6000m
Operating temperature range:	-2° to +30°C
Storage temperature range:	-30° to +70°C
Cable (Optional)	Two single wires
Housing:	Special formulated NBR
Weight (air) incl. cable:	0.5kg



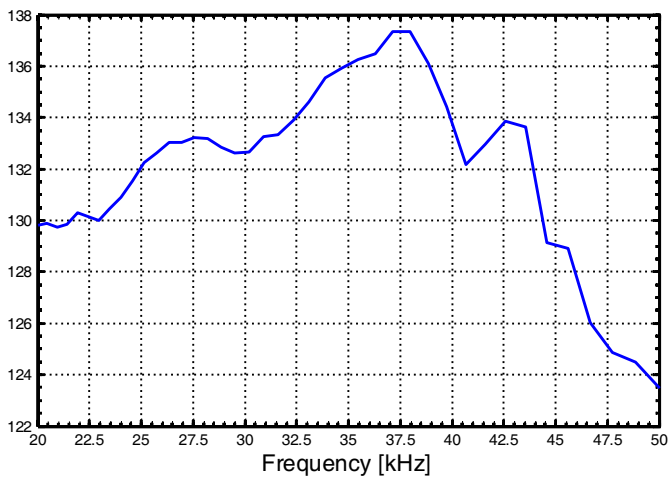
Vertical Directivity Pattern



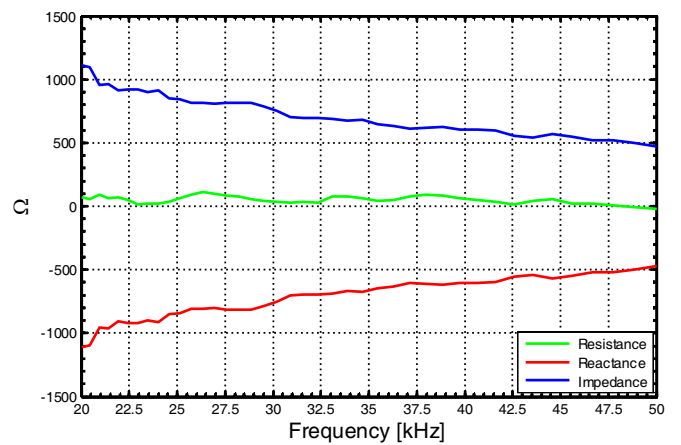
Receiving Sensitivity [dB re 1V/μPa @ 1m]



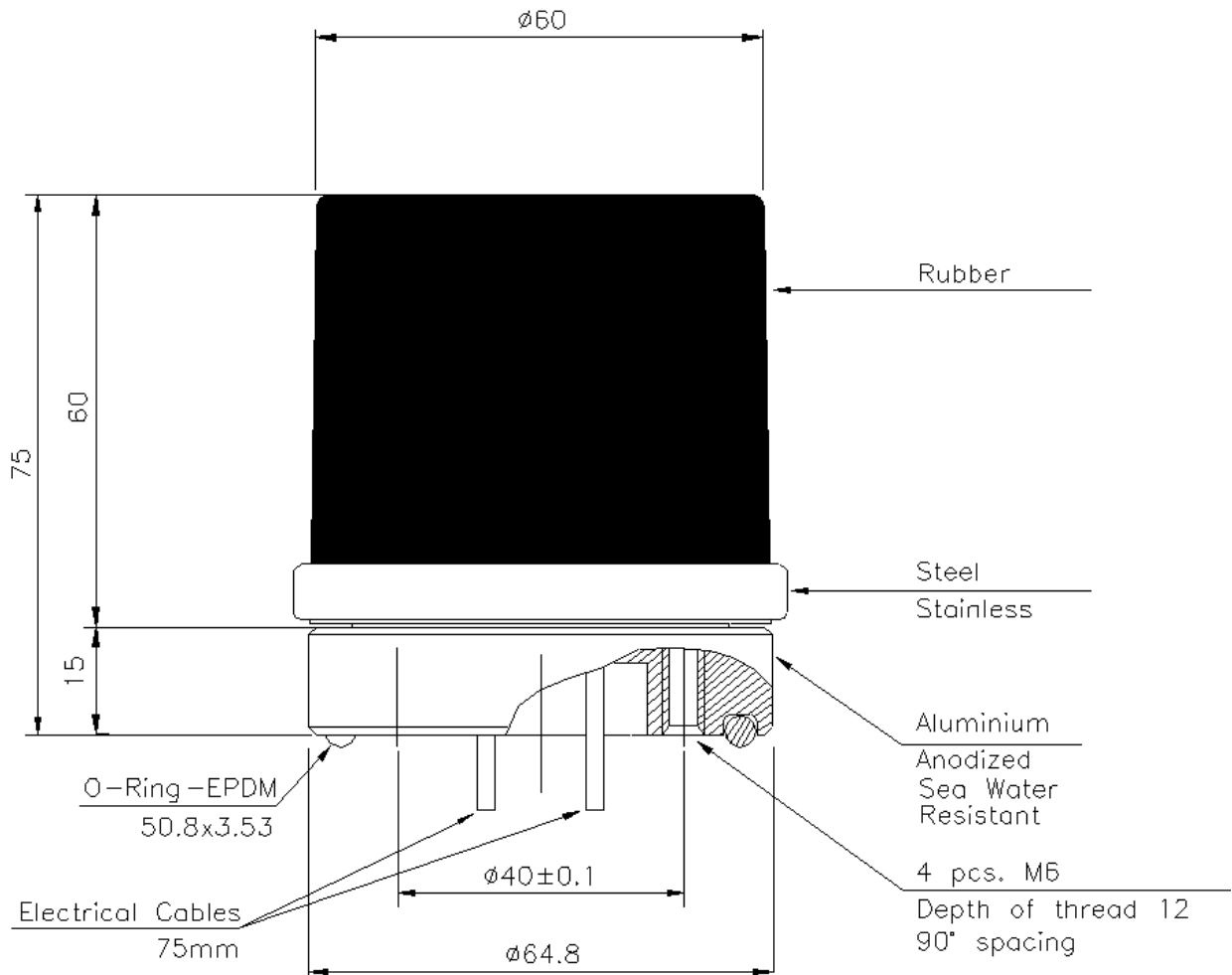
Transmitting Sensitivity [dB re 1μPa/V @ 1m]



Impedance



### Outline Dimensions



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For Acoustical Measurement Accuracy please refer to [www.reson.com](http://www.reson.com) or contact sales.

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