

TC1026

High Power Communications Transducer



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 ±2kHz (34-38kHz)
Transmitting sensitivity:	TVR > 134dB at 36kHz (re μPa/V at 1m)
Receiving sensitivity:	OCR > -198dB at 36kHz (re 1V/μPa)
Impedance:	IMP 630ohm ±25% 81° phase ± 10% at 36kHz
Vertical directivity pattern:	Typically ±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

FEATURES

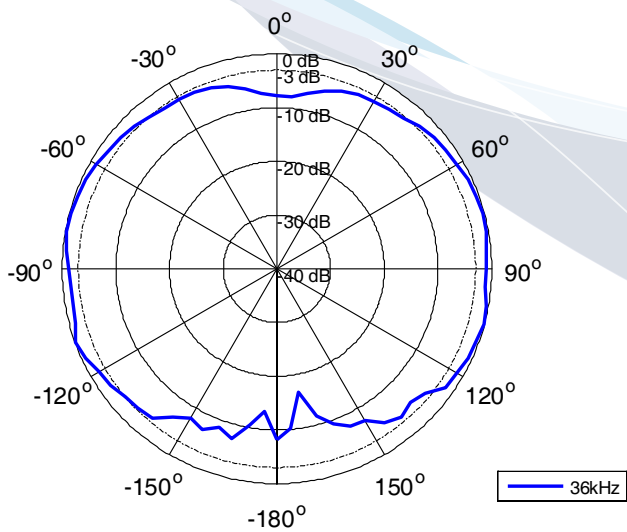
- 36 kHz compact
- High efficient ceramic
- Easy to install
- Long life time



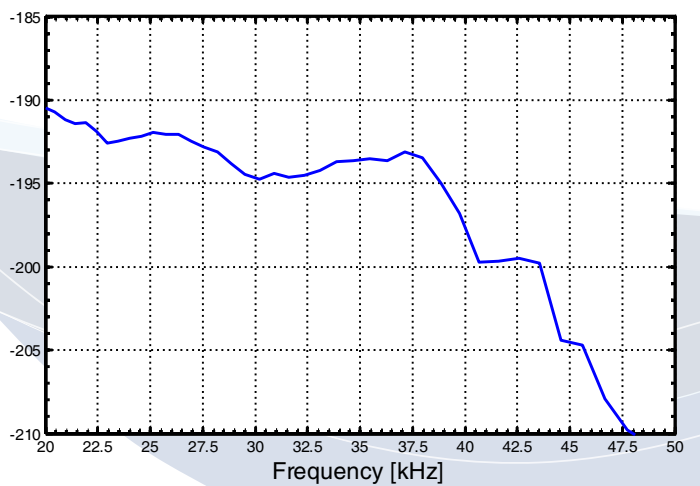
Transducer TC1026

High Power Communications Transducer

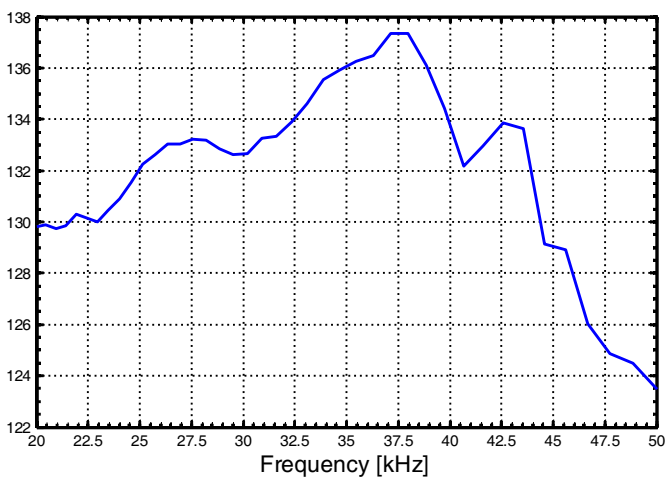
Vertical directivity pattern



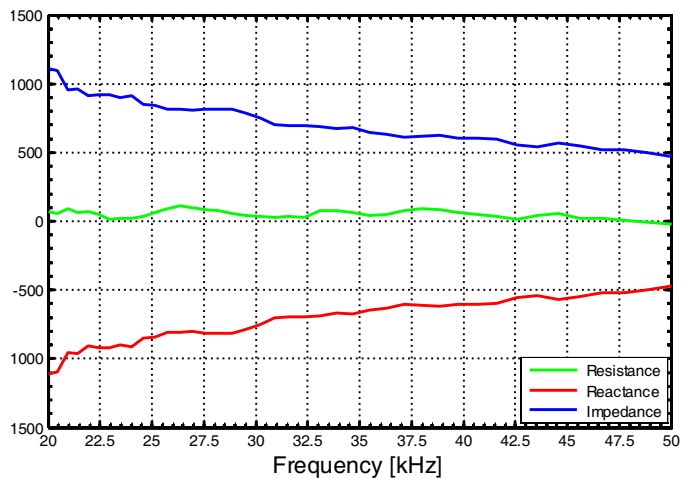
Receiving Sensitivity [dB re 1V/ μ Pa @ 1m]



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



Impedance



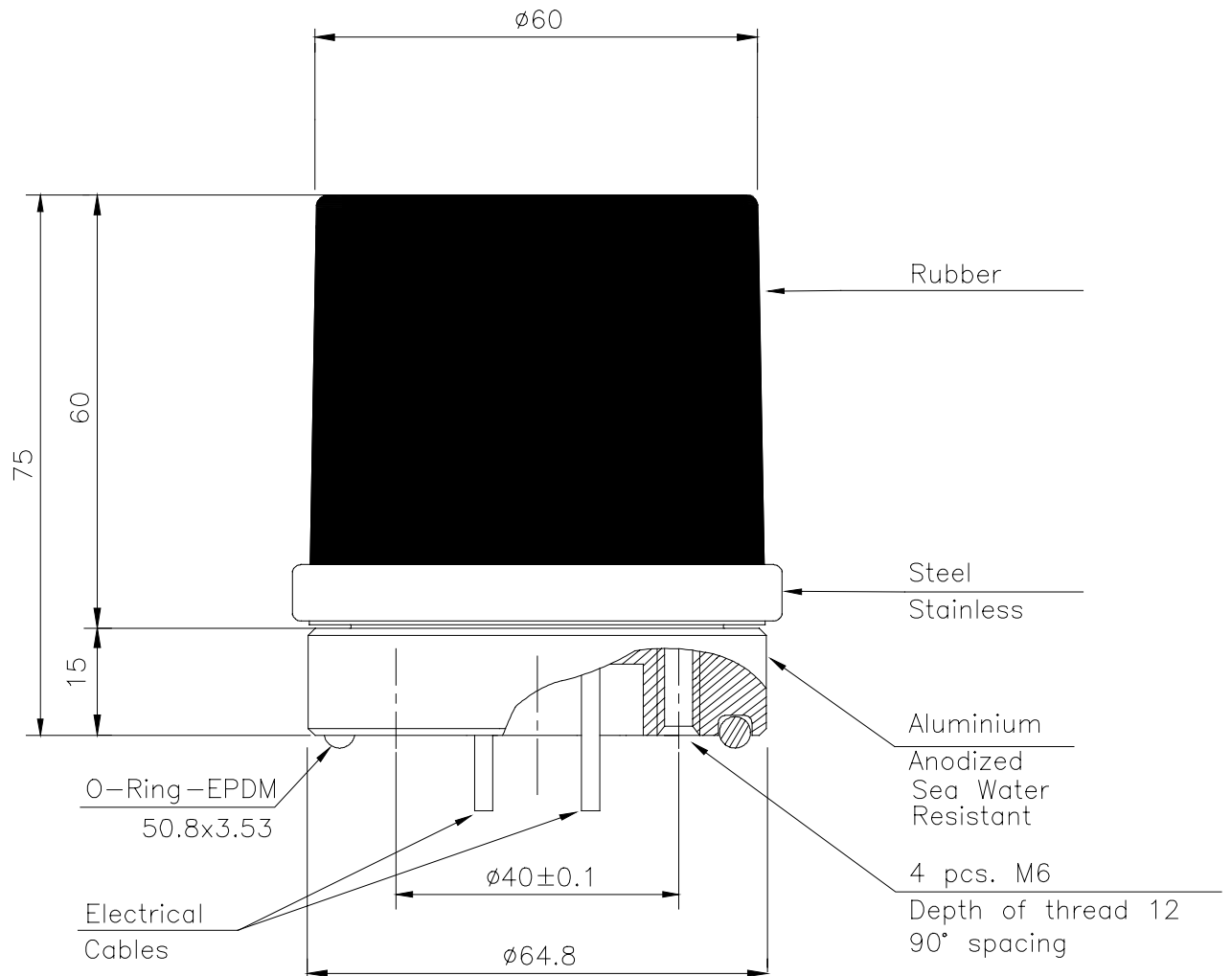
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Transducer TC1026

High Power Communications Transducer



Outline Dimensions



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