



Transducer TC2024

Survey Transducer for Echosounder



TC2024

- 200kHz transducer
- Compact design
- Excellent performance
- Robust piezo ceramic
- Electrical compatible with most echosounder systems

General purpose 200kHz echosounder transducer for shallow water applications: 0-100m

The TC2024 is ideal for navigation, hydrographic echosounding in shallow waters, and high resolution distance measurements.

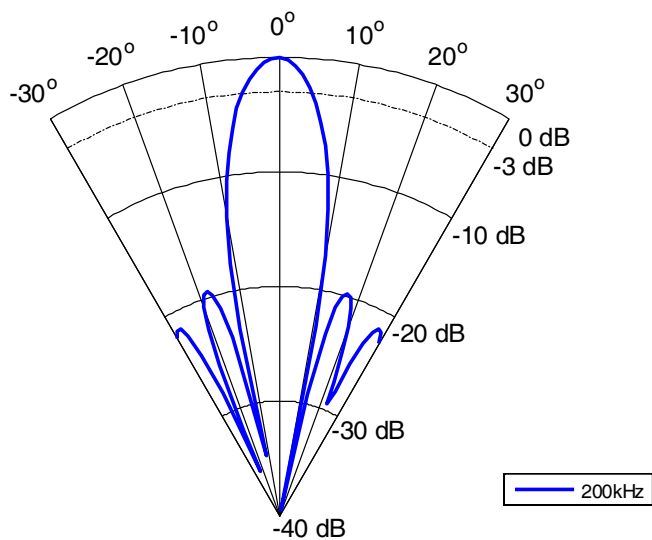
For outboard mounting, RESON steel housing mounts are available. The standard housing of the TC2024 is also compatible with ATLAS SW 6014 mounts.

TECHNICAL SPECIFICATIONS

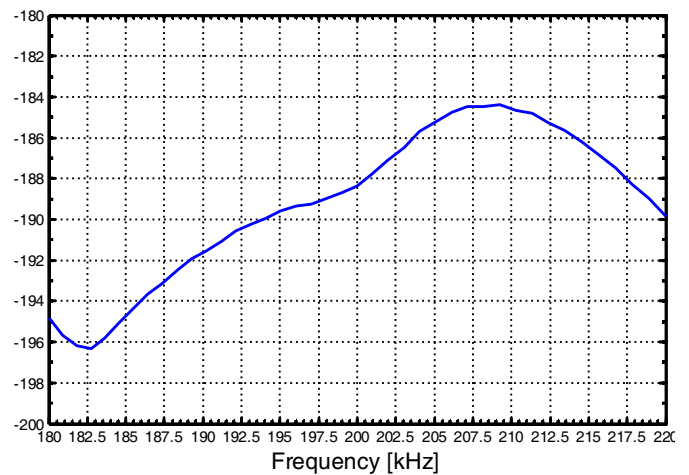
Resonant Frequency:	200kHz $\pm$ 10kHz
Transmitting Sensitivity:	173dB $\pm$ 3dB re 1 μ Pa/V at 1m
Receiving Sensitivity:	-187dB $\pm$ 3dB re 1V/ μ Pa
Impedance :	100ohm $\pm$ 30ohm at 200kHz
Beam width:	9.5° $\pm$ 1°, Conical
Max input power:	450W at 1% duty cycle
Operating depth:	30m
Survival depth:	50m
Operating temperature range:	-2°C to +30°C
Storage Temperature:	-30°C to +50°C
Housing:	PVC
Weight (air) incl. Cable:	2.3kg
Cable (length and type):	20m FALMAT Type FM091003-1602A, 2x1 (Twisted pair) PUR Jacket, WATER BLOCK 2*1 (O.D. 9.3mm) - pigtail



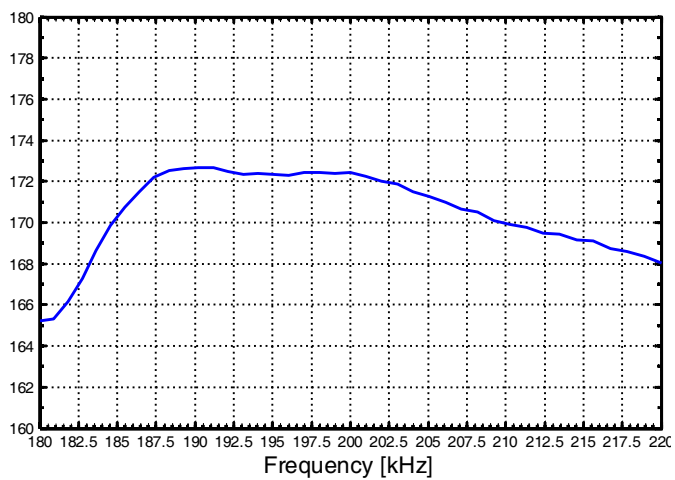
Horizontal Directivity Pattern



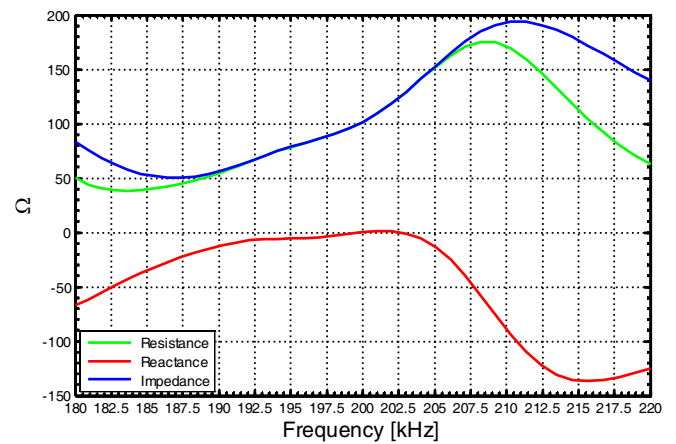
Receiving Sensitivity [dB re 1V/ μ Pa @ 1m]



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



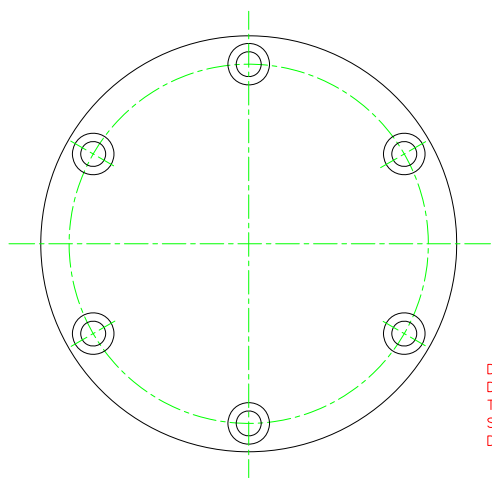
Impedance



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Outline Dimensions

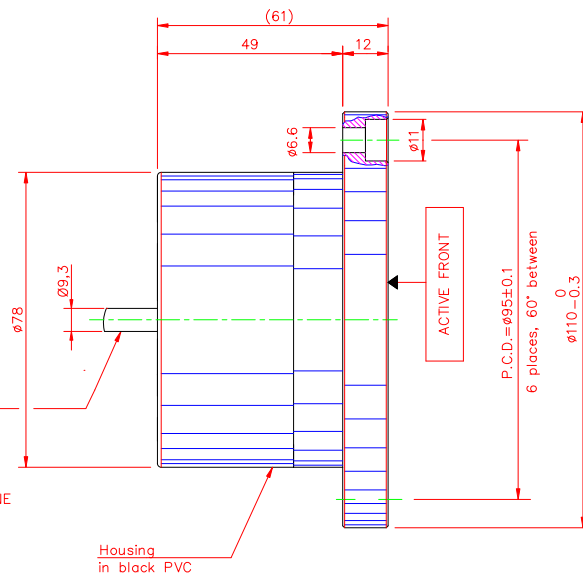


CABLE PUR

DEPENDING ON CABLE REVISION TWO DIFFERENT APPROACHES ARE USED TO IDENTIFY POLARITY IN THE ECHO SOUNDER TRANSDUCER -THE OUTLINE DRAWING SHOWS BOTH

200kHz

BLACK	-	BLACK	-
BLUE	+	WHITE	+



RESON reserves the right to change specifications without notice. © 2006 RESON A/S
For Acoustical Measurement Accuracy please refer to www.reson.com or contact sales.

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