SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182E-MAIL: szss20@163.com





Airmar's commitment to innovative technology has produced the SS538. This broadband 200 kHz transducer has a Q of 2 and very good sensitivity. It enables users to perform accurate surveys in shallow-water with high resolution. This transducer can also be "chirped" with a long pulse over a wide-frequency band. Users with adjustable-frequency echosounders will be able to regulate the operating frequency and tailor the beamwidth to specific survey conditions.

## Options

• Impedance to customer's specifications using matching transformer

Portable-Mount 1.5 kW Broadband

#### Applications

• River, harbor, and estuary survey

#### Features

- Broadband with low Q of 2
- Minimal sidelobes for concentrated energy on target providing excellent definition

dband

- Portable for survey applications
- Short, threaded stem simplifies attaching to portable-mounting apparatus
- Internal transformer provides impedance match to echosounder and allows use of longer cable
- 1.5 kW RMS, power rating is at 2% duty cycle
- Robust, stainless-steel housing



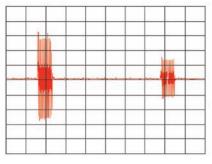
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# **Technical Information**

Frequencies	Configuration	Beamwidth (@-3 dB)	RMS Power (W)	FOM (dB)	Q	Series Impedance (R-jX)
200 kHz-BFiq Broadband	$\bigcirc$	5°	1.5 kW	-7	2	60-j0(t)

# Echogram

Vertical: 1E+3 V/DIV Horizontal: 500E-6 SEC/DIV

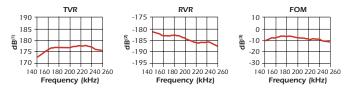


#### Technical Data-200 kHz-BFlq

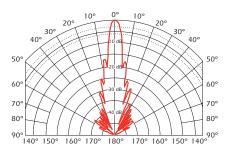
TVR in dB re  $1\mu$ Pa/Volt at 1 m

RVR in dB re 1 Volt/µPa

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## Directivity Pattern-200 kHz-BFlq



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# **SPECIFICATIONS**

Weight: 1.3 kg (3 lb)

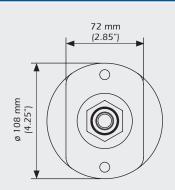
Acoustic Window: Urethane

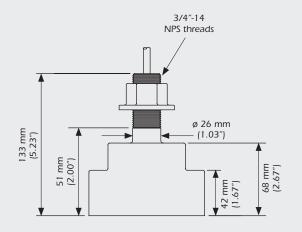
Stem Threads: 3/4"-14 NPS

#### Cable Type: C-37

Shielded twisted pair (2-20 AWG) with braided shield, black neoprene jacket, 6 mm (17/64") diameter

#### DIMENSIONS





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SS538 rG 02/16/10

As Airmar constantly improves its products, all specifications are subject to change without As Alimar Constantly improves an elesioned to provide high levels of accuracy and reliability, however they should only be used as aids to navigation and not as a replacement for 0755 - 833764890/EAX/Pro107555/0833764890/ECE/MANAAN GZESCOMPAGE required in this document may be trademarks of registered trademarks of their respective companies, which are not affiliated with Airmar.