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**M194**

**High-Frequency Ultrasonic Transducer**

**Applications**
- River, harbor, and estuary survey

**Features**
- Broadband with low Q of 2
- Minimal sidelobes for concentrated energy on target providing excellent definition
- Internal transformer provides impedance match to echosounder and allows use of longer cable
- 500 W RMS, power rating is at 2% duty cycle
- Do not strike or use solvents (especially acetone) on the transducer face. Use water-base anti-fouling paint only. Do not cut transducer cable.
- Seamless, SEALCAST™, urethane housing resists cuts and abrasion and has excellent, impact resistance

**Options**
- Impedance to customer's specifications using matching transformer

**Dimensions**

**Frequencies** | **Configuration** | **Beamwidth (@-3 dB)** | **RMS Power (W)** | **Q** | **Series Impedance (RjX)**
---|---|---|---|---|---
200 kHz-BClq Broadband | | 8° | 500 | 16 | 2 | 60-j0(t)

**Technical Data—200 kHz-BClq**

- **TVR** in dB re 1μPa/Volt at 1 m
- **RVR** in dB re 1 Volt/μPa

**Directivity Pattern—200 kHz-BClq**

- **Echogram**
  - Vertical: 1E+03 V/DIV
  - Horizontal: 500E-6 SEC/DIV

**Options**
- Impedance to customer's specifications using matching transformer

**Dimensions**

- ø 95 mm
- ø 75 mm
- ø 110 mm
- ø 11 mm
- 6 mm typical
- 6 mm: 6 places equally spaced