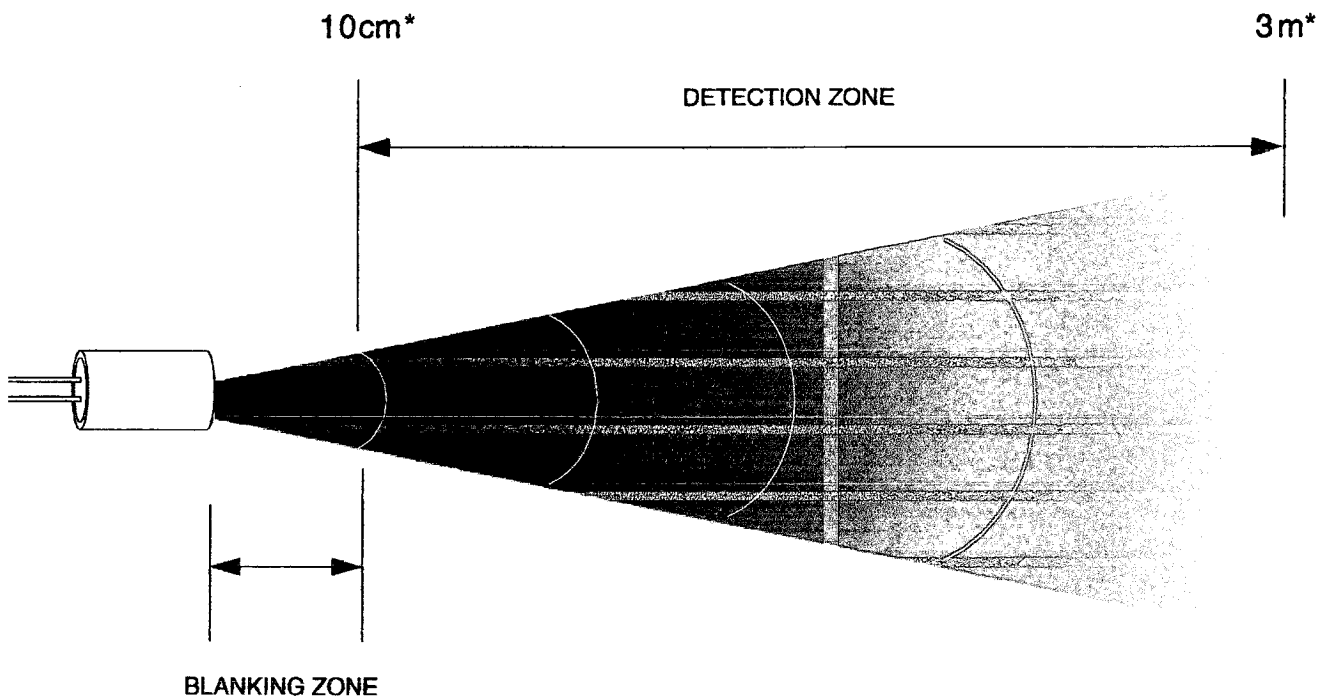
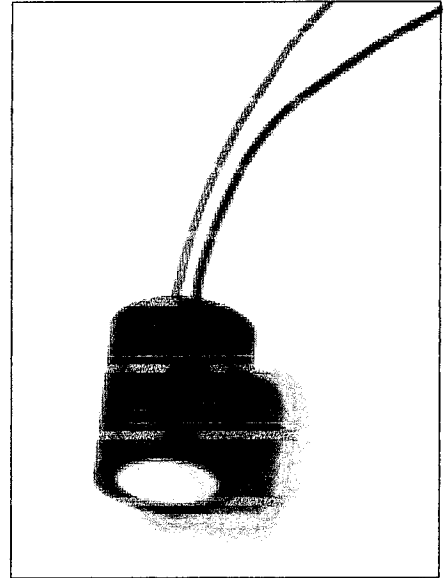


SC0026

This compact 200kHz ultrasonic transducer is designed for short range (up to 3 meters) applications. This low cost, durable, and versatile sensor, is the solution to a wide variety of industrial and commercial needs.



* Pulse-Echo Mode

Actual range may vary, depending on drive circuitry and signal processing

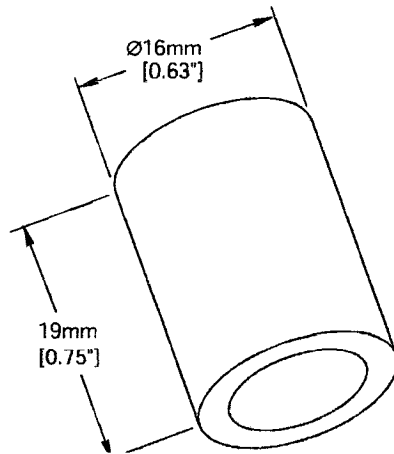
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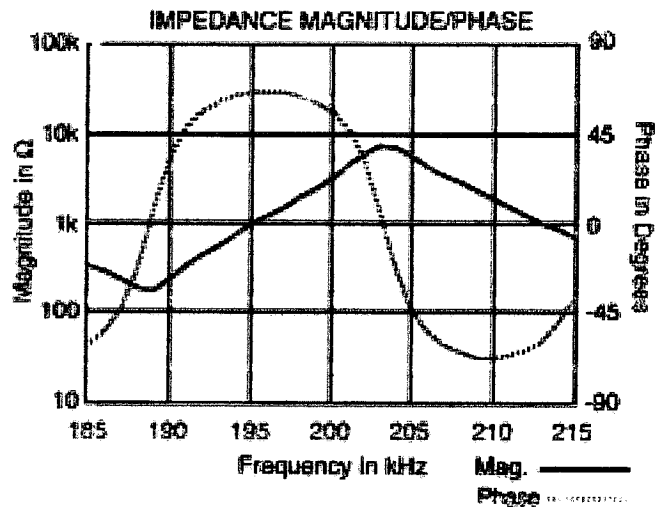
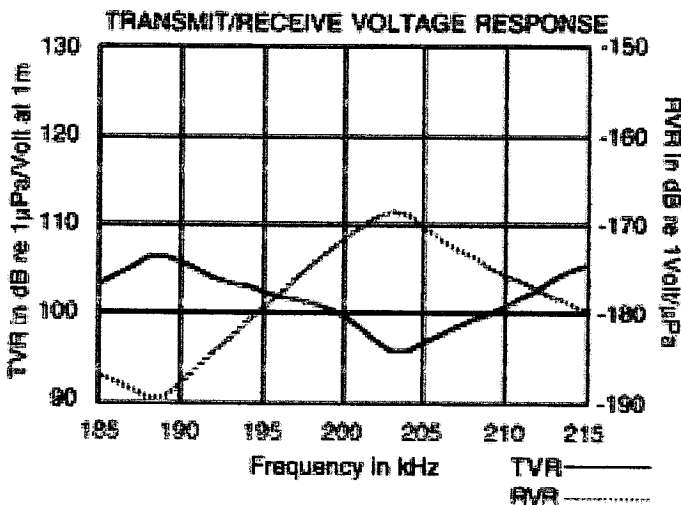
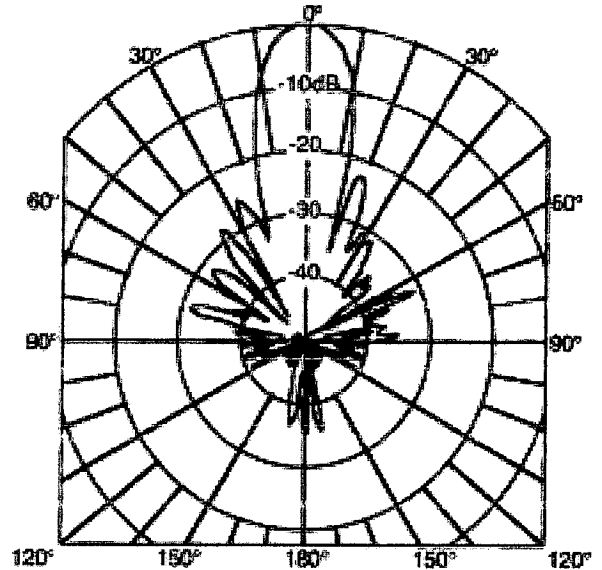
17-204-01 Rev. 03-A

SPECIFICATIONS

- Best Operating Frequency: 200kHz +/- 4%
- Min. Transmit Sensitivity: 105dB re 1 μ Pa/V at 1m at best transmit frequency
- Min. Receive Sensitivity: -174 dB re 1V/ μ Pa at best receive frequency
- Min. Parallel Resistance: 180 Ω +/- 30%
- Free (1kHz) Capacitance: 500pF +/- 100pF
- Beamwidth (-3dB full angle): 14 $^{\circ}$ +/- 2 $^{\circ}$
- Maximum Driving Voltage: 500Vpp (2% duty cycle tone burst)
- Operating Temperature: -40 $^{\circ}$ C to 90 $^{\circ}$ C
- Weight: 6g
- Materials:
 - Housing: Glass filled polyester
 - Acoustic Window: Glass reinforced epoxy
- All specifications typical at 22 $^{\circ}$ C and subject to change without notice.



DIRECTIVITY



SENSE
Technics GmbH
17-204-01 Rev. 03-A

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电话：0755-83376549 83376489 83387030 83387016

传真：0755-83376182 83338339 邮编：518033 手机：(0)13902971329

深圳展销部：深圳华强北路赛格电子市场 2583 号 TEL/FAX：
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西安分公司：西安高新开发区 20 所(中国电子科技集团导航技术研究所)

西安劳动南路 88 号电子商城二楼 D23 号

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