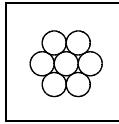


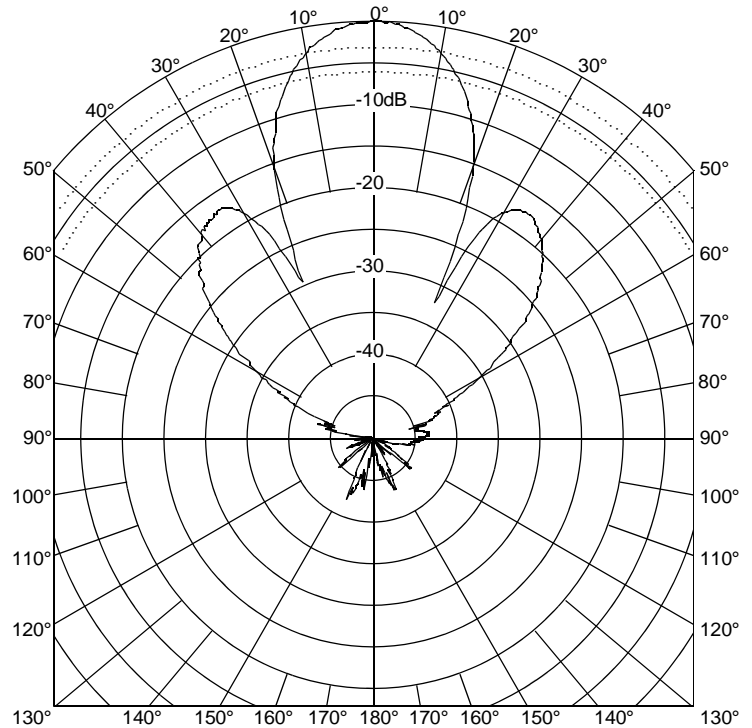
50 kHz – AE

Power rating: 1 kW_{rms} @ 2% duty cycle
 7x28mm (1.13") PZT/L
 Active Area: 45cm²
 Urethane Window

Array:



Transmit Radiation Pattern



Beamwidth:

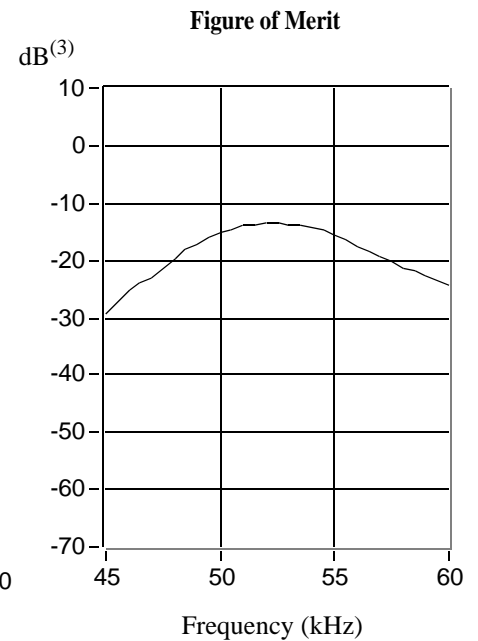
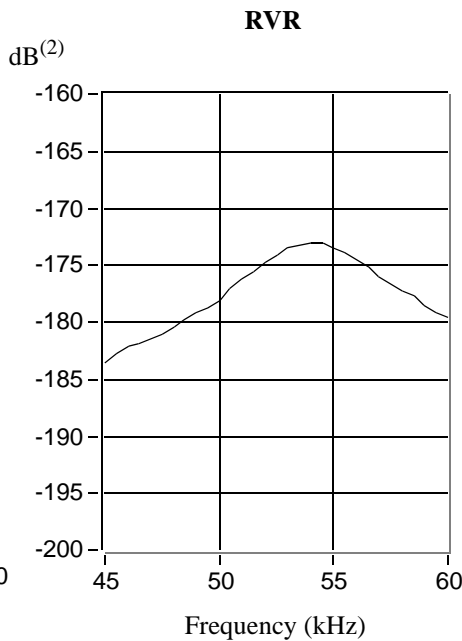
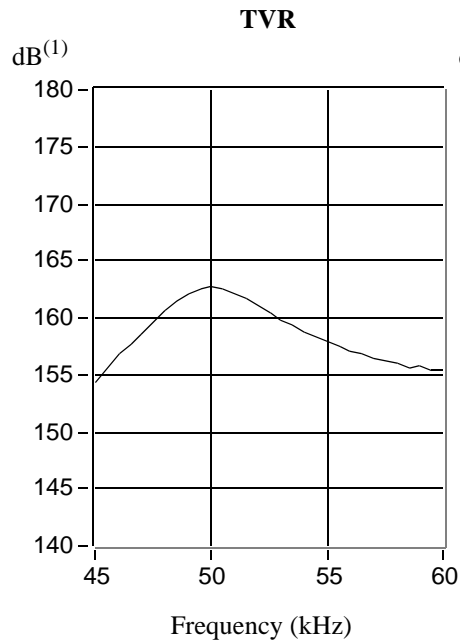
-3dB: 19°
 -6dB: 27°
 -10dB: 34°

Directivity Index: 18.9
 Frequency Tolerance: ±2kHz
 Peak TVR⁽¹⁾, nominal: 162 dB
 Peak TVR⁽¹⁾, minimum: 160 dB
 Q (transmit): 9
 Peak Source Level⁽⁴⁾: 216 dB
 Peak RVR⁽²⁾, nominal: -173 dB
 Peak Figure of Merit⁽³⁾: -14 dB

Notes:

- (1) dB re 1 μPa per volt at 1 meter
- (2) dB re 1 volt per μPa
- (3) sum of transmitting voltage response and receiving voltage response
- (4) Nominal peak TVR, rated power, and no cavitation

Acoustic Data: Hard Drive:Stored Data:StorageSet 6/27/00:50AE:Urethane:990135-01:Test#1:02Sens
 Pattern Data: Hard Drive:Stored Data:StorageSet 6/27/00:50AE:Urethane:990135-01:Test#1:06Direct



Technical Data Catalog

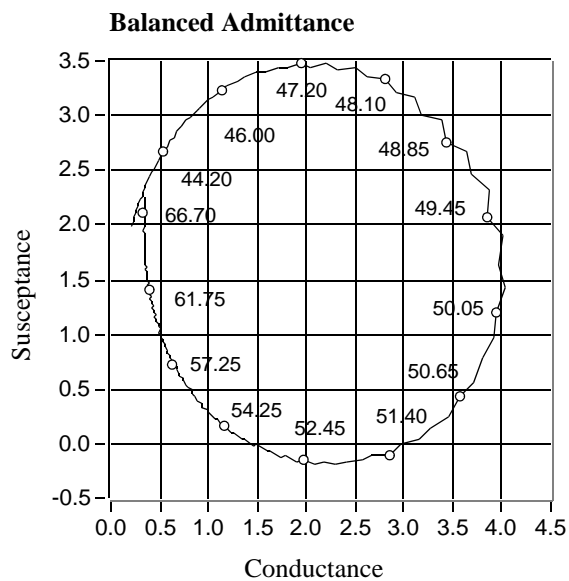
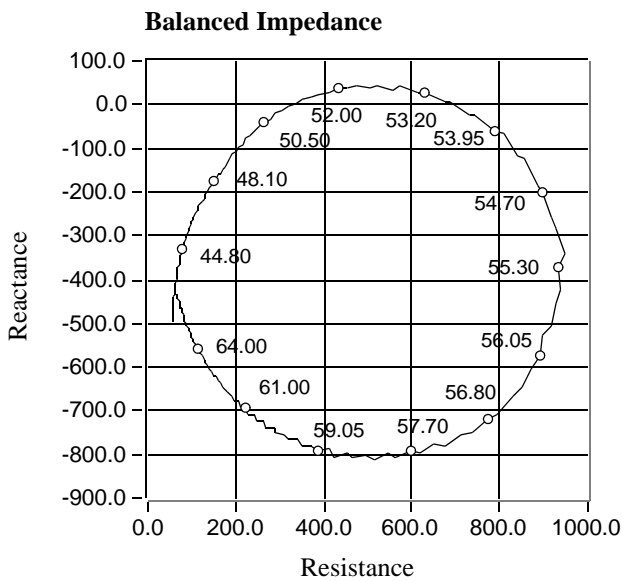
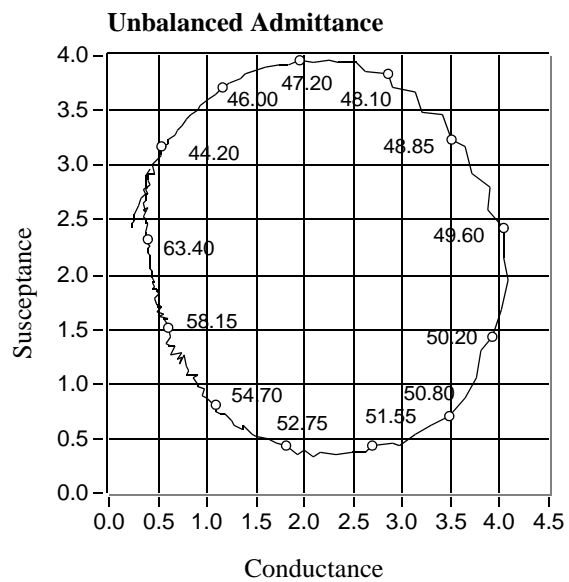
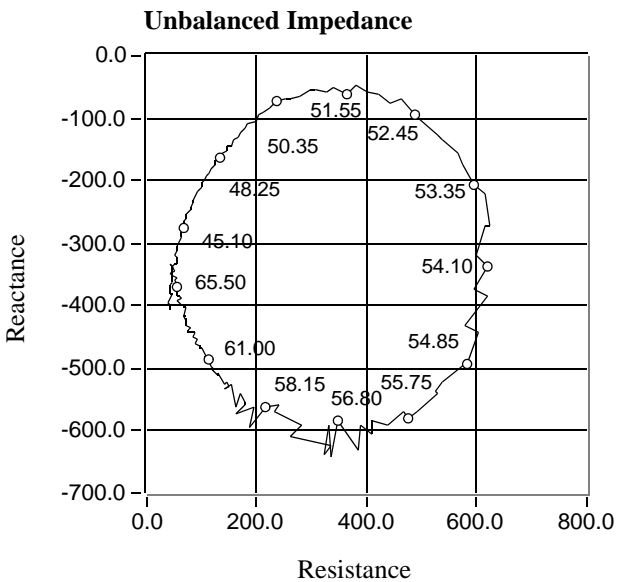
50 kHz – AE

7x28mm (1.13") PZT/L

Cable Type: C32

Cable Length: 10.4 m (34.0')

Impedance Data		
	Balanced	Unbalanced
Parallel: Rp.	250ohms-20%,+40%	250ohms-20%,+40%
Parallel: Cp. (nominal)	5000pF	6500pF
Series [R – jX] (nominal)	222 – j80 ohms	200 – j100 ohms
1 kHz Capacitance	6530pF±20%	8220 pF±20%



17-278-248 rev. 02

200 kHz – BH Broadband

Power rating: 1 kW_{rms} @ 2% duty cycle
68mm (2.65") PZT
Active Area: 36.0cm²
Urethane Window

Beamwidth:

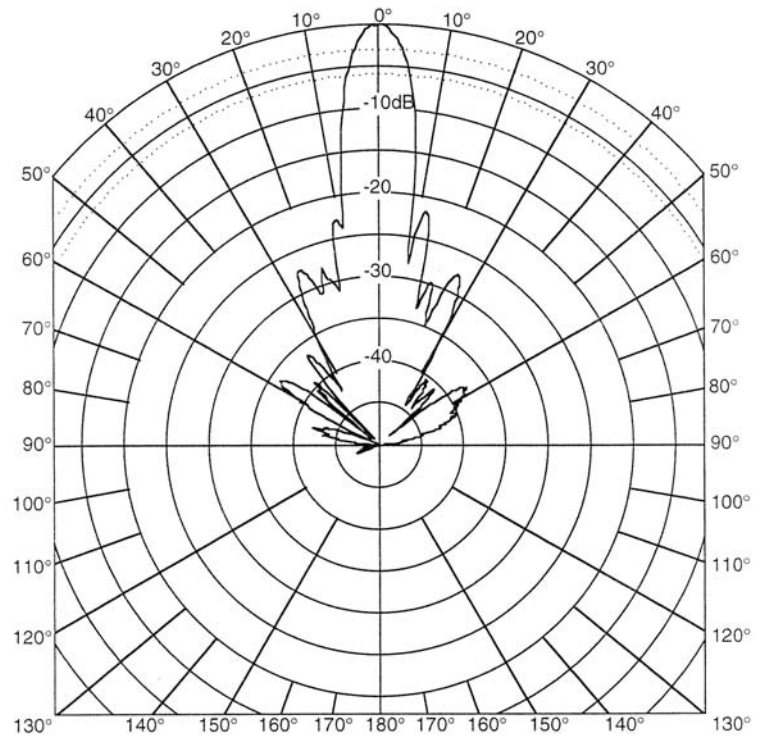
- 3dB: 7°
- 6dB: 9°
- 10dB: 12°

- Directivity Index: 29.2
- Frequency Tolerance: ±8kHz
- Peak TVR⁽¹⁾, nominal: 175 dB
- Peak TVR⁽¹⁾, minimum: 173 dB
- Q (transmit): 8
- Peak Source Level⁽⁴⁾: 225 dB
- Peak RVR⁽²⁾, nominal: -182 dB
- Peak Figure of Merit⁽³⁾: -10 dB

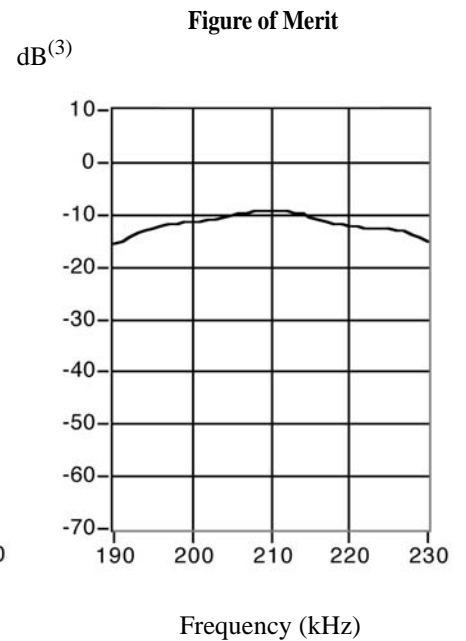
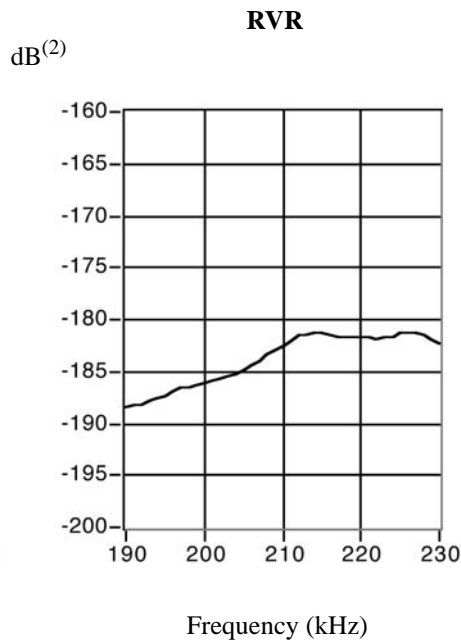
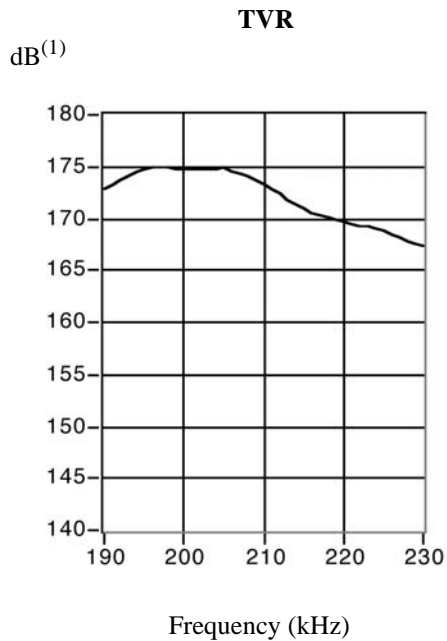
Notes:

- (1) dB re 1 μPa per volt at 1 meter
- (2) dB re 1 volt per μPa
- (3) sum of transmitting voltage response and receiving voltage response
- (4) Nominal peak TVR, rated power, and no cavitation

Transmit Radiation Pattern



Acoustic Data: Small Tank:Stored Data:N200:Urethane:030253-01:Test#3:02Sens
Pattern Data: Small Tank:Stored Data:N200:Urethane:030253-01:Test#1:06Direct



Technical Data Catalog

17-278-248 rev. 02

200 kHz – BH

Broadband

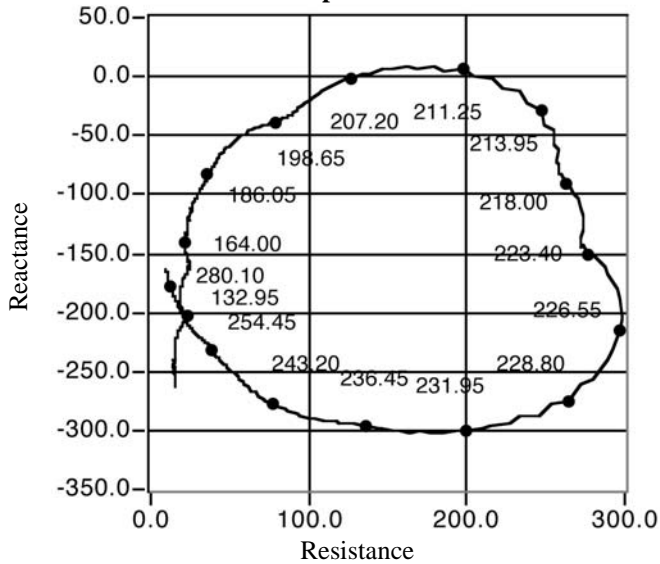
68mm (2.65") PZT

Cable Type: C32

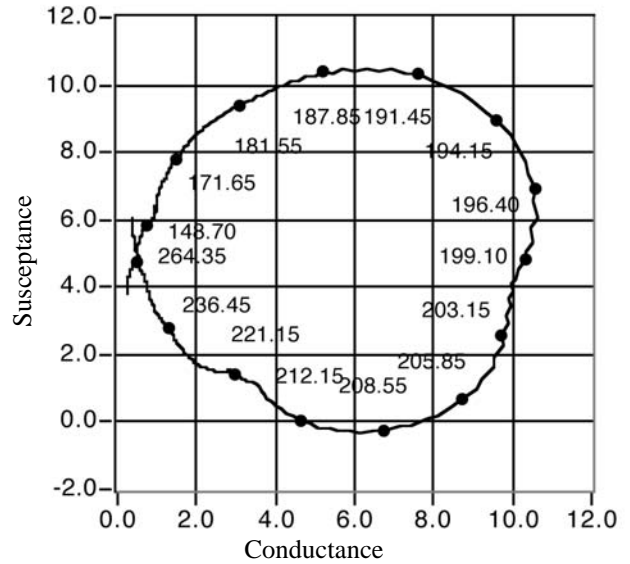
Cable Length: 10.1m (33.0')

Impedance Data w/transformer		
	Balanced	Unbalanced
Parallel: Rp.	90ohms-20%,+40%	90ohms-20%,+40%
Parallel: Cp. (nominal)	2300pF	2300pF
Series [R – jX] (nominal)	60 – j10 ohms	60 – j10 ohms
1 kHz Capacitance	n/a	n/a

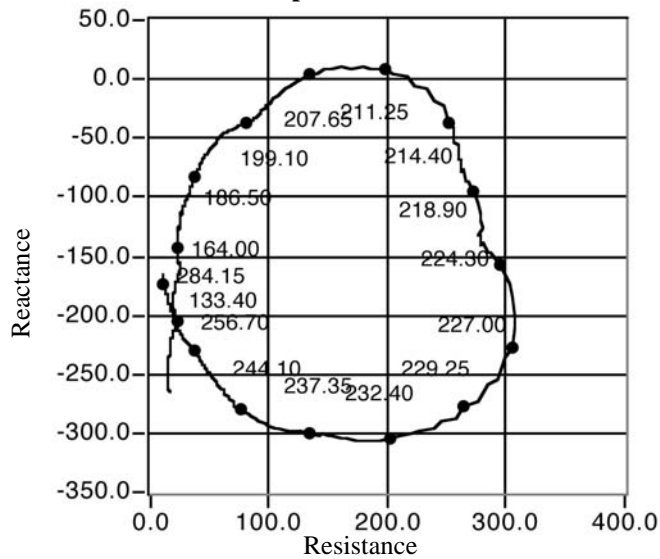
Unbalanced Impedance



Unbalanced Admittance



Balanced Impedance



Balanced Admittance

