

235 kHz-B

Power rating: 350 Wrms @ 2% duty cycle

36mm (1.4") PZT

Active Area: 10cm²

Layered Plastic Epoxy Window

Beamwidth:

-3dB: 11°

-6dB: 17°

-10dB: 22°

Directivity Index: 25.1

Frequency Tolerance: ±5kHz

Peak TVR⁽¹⁾, nominal: 163 dB

Peak TVR⁽¹⁾, minimum: 161 dB

Q (transmit): 12

Peak Source Level⁽⁴⁾: 216dB

Peak RVR⁽²⁾, nominal: -187dB

Peak Figure of Merit⁽³⁾: -24dB

Notes:

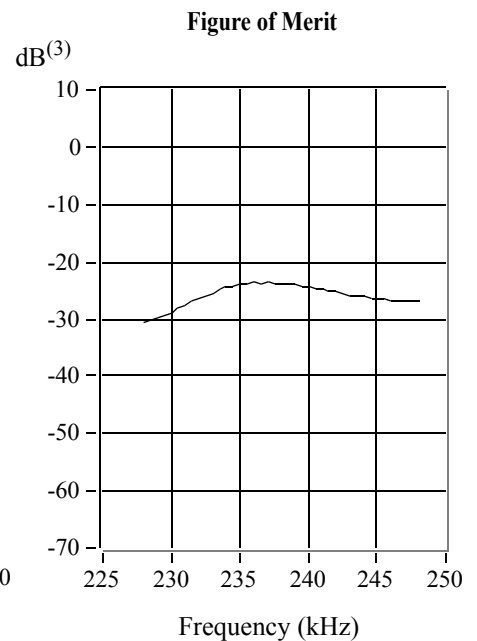
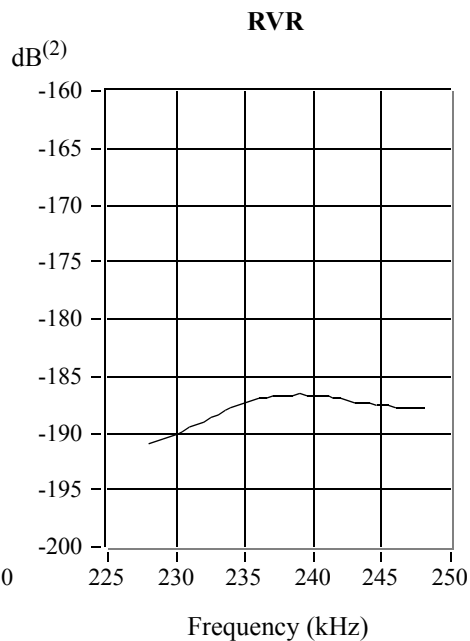
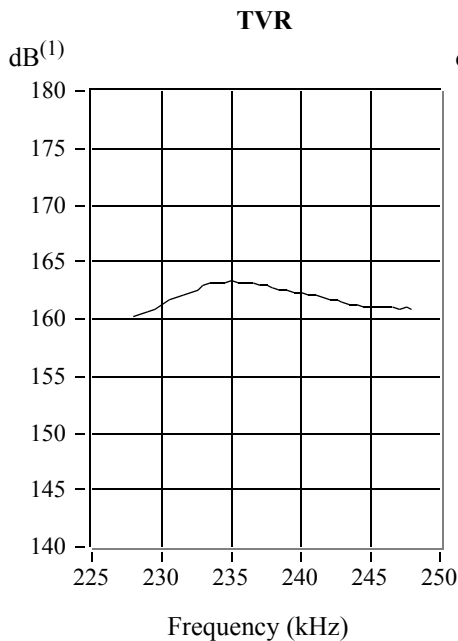
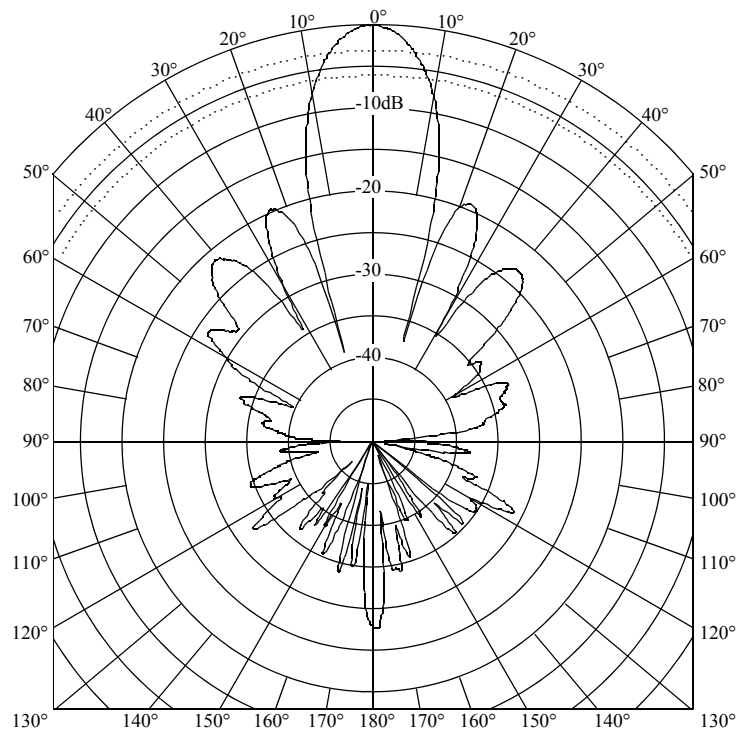
(1) dB re 1 μPa per volt at 1 meter

(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



Technical Data Catalog

235 kHz-B

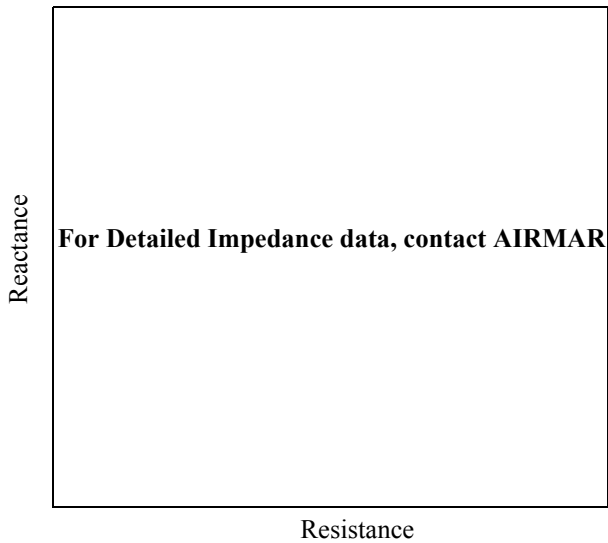
36mm (1.4") PZT

Cable Type: C2

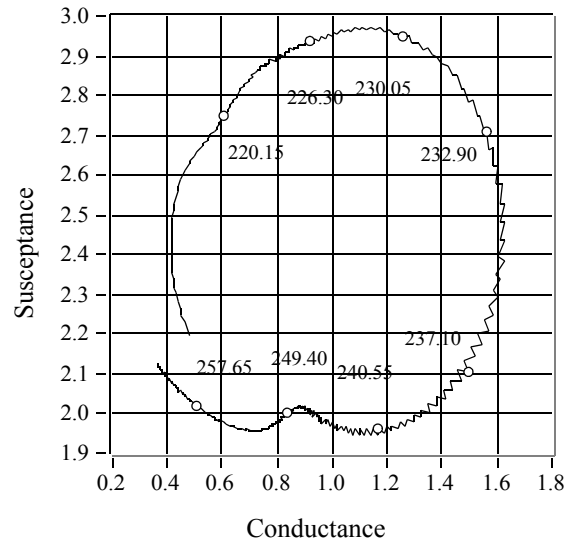
Cable Length: 6.1 m (20.0')

Impedance Data		
	Balanced	Unbalanced
Parallel: Rp.	610ohms-20%,+40%	610ohms-20%,+40%
Parallel: Cp. (nominal)	640pF	1660pF
Series [R - jX] (nominal)	460 - j270 ohms	190 - j280 ohms
1 kHz Capacitance	1370pF±20%	2400 pF±20%

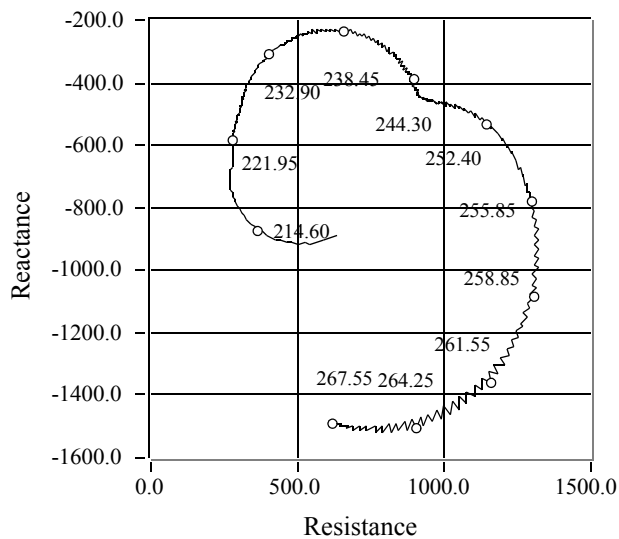
Unbalanced Impedance



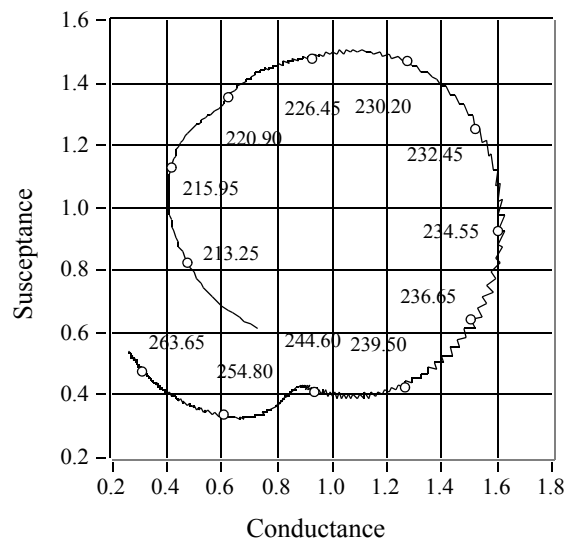
Unbalanced Admittance



Balanced Impedance



Balanced Admittance



235 kHz-B

Power rating: 350 W_{rms} @ 2% duty cycle
 36mm (1.4") PZT
 Active Area: 10cm²
 Layered Plastic Urethane Window

Beamwidth:

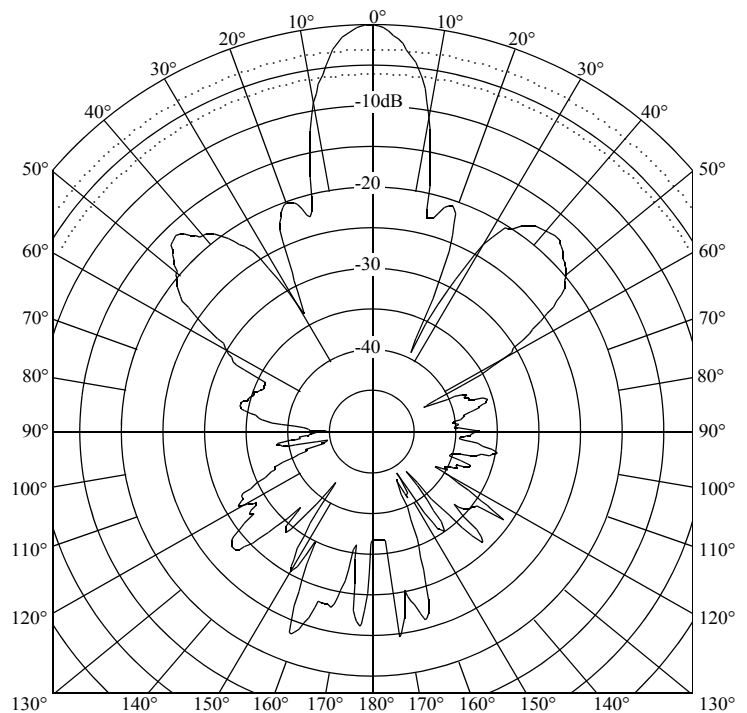
-3dB: 11°
 -6dB: 15°
 -10dB: 20°

Directivity Index: 25.1
 Frequency Tolerance: 234 +3/-4kHz
 Peak TVR⁽¹⁾, nominal: 163 dB
 Peak TVR⁽¹⁾, minimum: 161 dB
 Q (transmit): 34
 Peak Source Level⁽⁴⁾: 216dB
 Peak RVR⁽²⁾, nominal: -187dB
 Peak Figure of Merit⁽³⁾: -26 dB

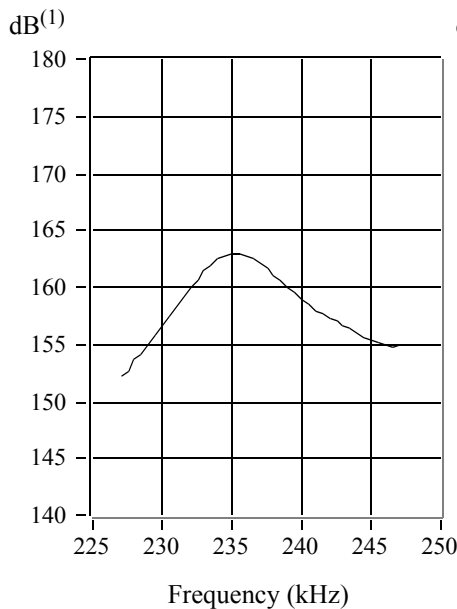
Notes:

- (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



TVR



RVR

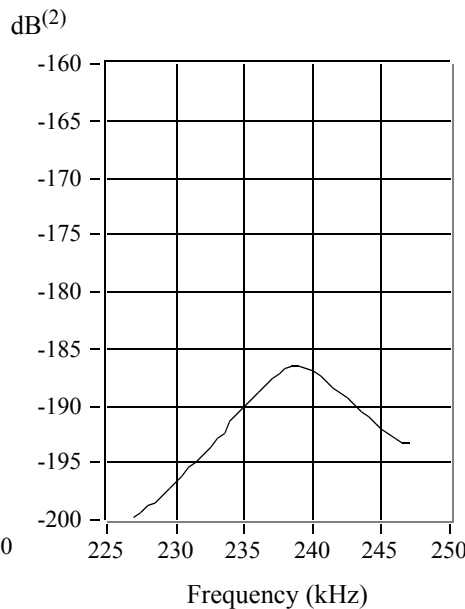
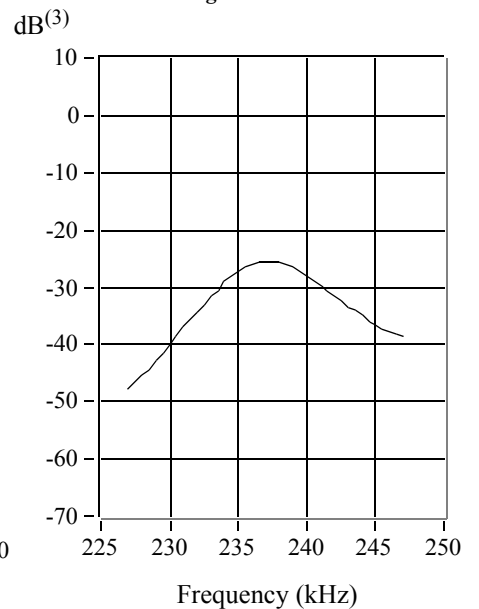


Figure of Merit



Technical Data Catalog

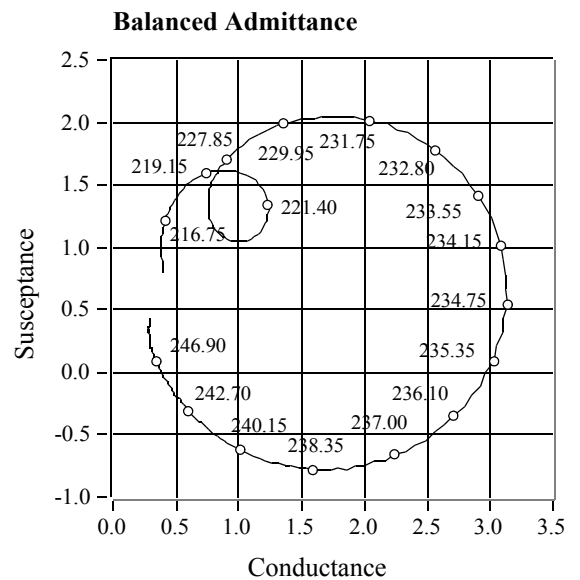
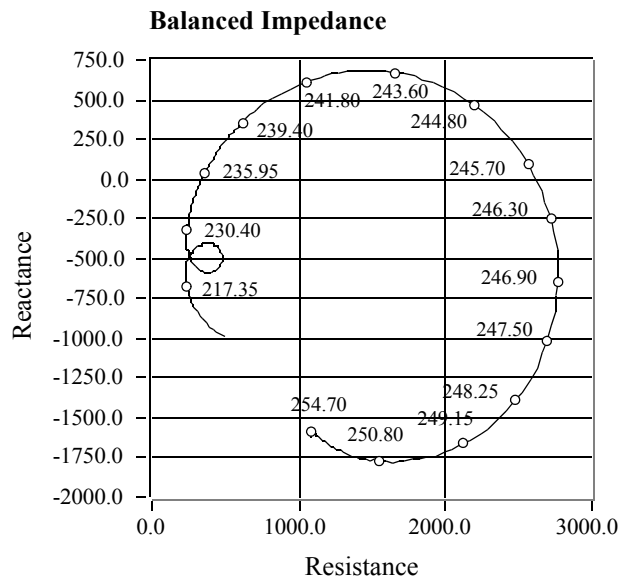
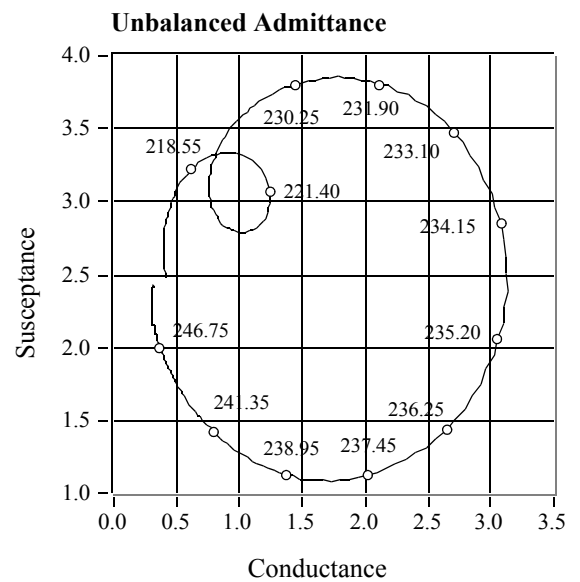
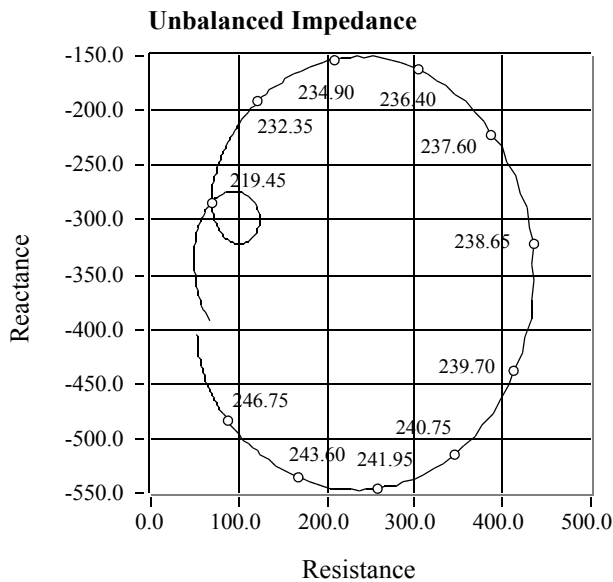
235 kHz-B

36mm (1.4") PZT

Cable Type: C2

Cable Length: 7.6m (25.0')

Impedance Data		
	Balanced	Unbalanced
Parallel: Rp.	320ohms-20%,+40%	320ohms-20%,+40%
Parallel: Cp. (nominal)	500pF	1730pF
Series [R – jX] (nominal)	300 – j70 ohms	190 – j160 ohms
1 kHz Capacitance	1380pF±20%	2620 pF±20%



235 kHz-B

Power rating: 350 Wrms @ 2% duty cycle
 36mm (1.4") PZT
 Active Area: 10cm²
 Urethane Window

Beamwidth:

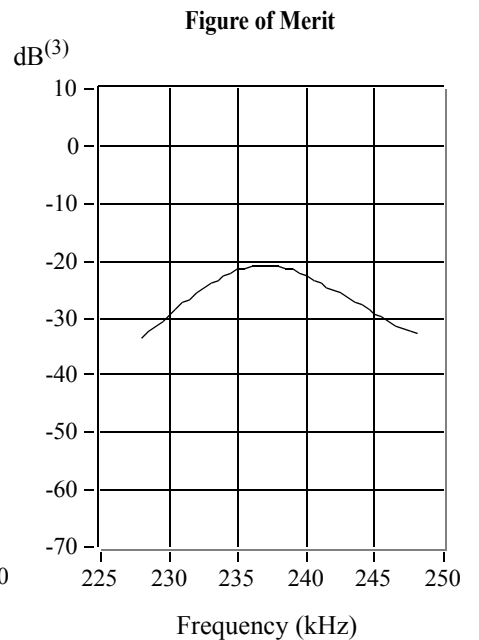
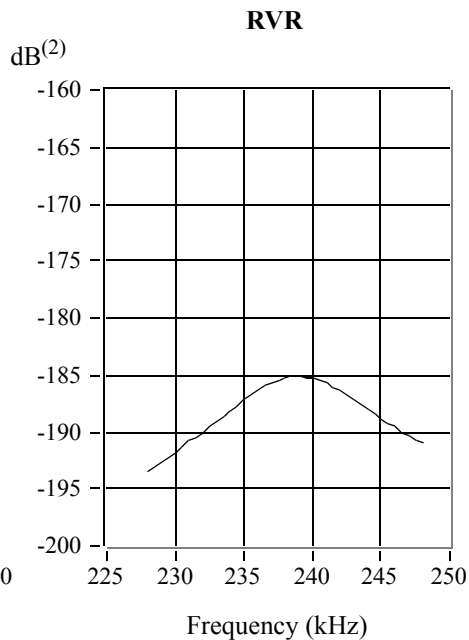
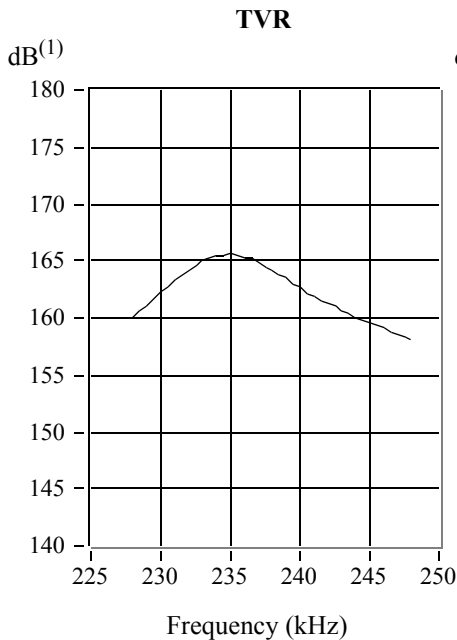
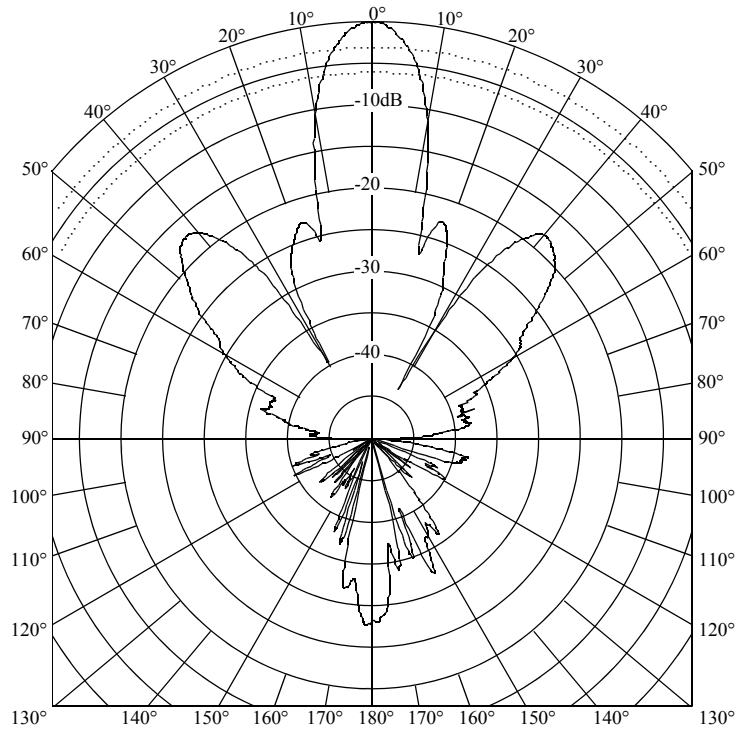
-3dB: 11°
 -6dB: 15°
 -10dB: 19°

Directivity Index: 25.1
 Frequency Tolerance: 234 +3/-4kHz
 Peak TVR⁽¹⁾, nominal: 165dB
 Peak TVR⁽¹⁾, minimum: 163 dB
 Q (transmit): 25
 Peak Source Level⁽⁴⁾: 216dB
 Peak RVR⁽²⁾, nominal: -185dB
 Peak Figure of Merit⁽³⁾: -21 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



Technical Data Catalog

235 kHz-B

36mm (1.4") PZT

Cable Type: C2

Cable Length: 7.6m (25.0')

Impedance Data		
	Balanced	Unbalanced
Parallel: Rp.	350 ohms-20%, +40%	350 ohms-20%, +40%
Parallel: Cp. (nominal)	410pF	1730pF
Series [R - jX] (nominal)	330 - j70 ohms	190 - j170 ohms
1 kHz Capacitance	1440pF±20%	2770pF±20%

