235 kHz-A

Power rating: 600 Wrms @ 2% duty cycle
51mm (2.0") PZT
Active Area: 20cm²
Layered Plastic Epoxy Window

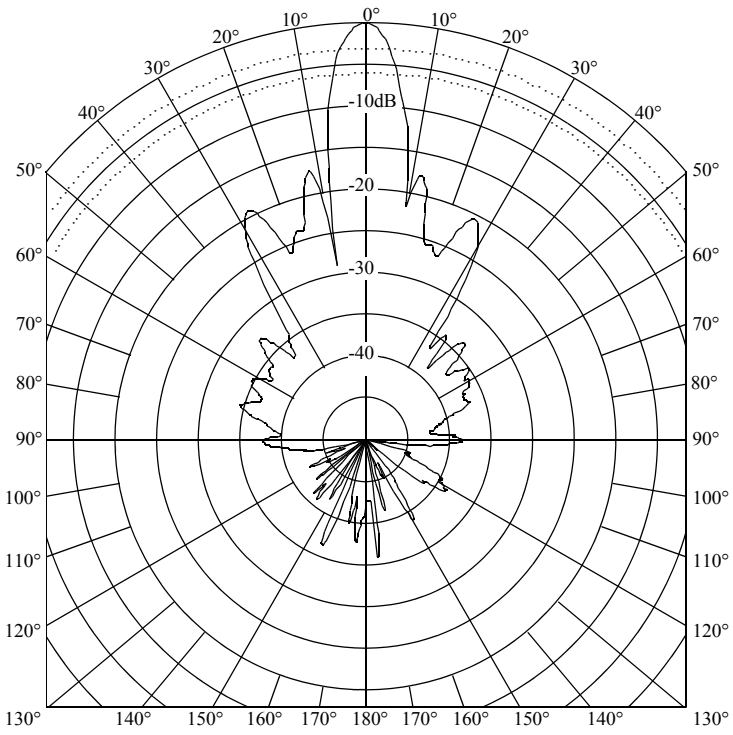
Beamwidth:

-3dB:	7°
-6dB:	10°
-10dB:	13°

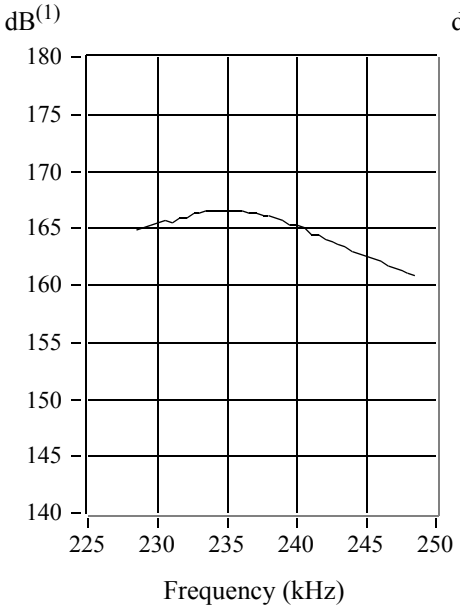
Directivity Index:	28.2
Frequency Tolerance:	±5kHz
Peak TVR(1), nominal:	166dB
Peak TVR(1), minimum:	164dB
Q (transmit):	15
Peak Source Level(4):	221dB
Peak RVR(2), nominal:	-185dB
Peak Figure of Merit(3):	-19dB

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

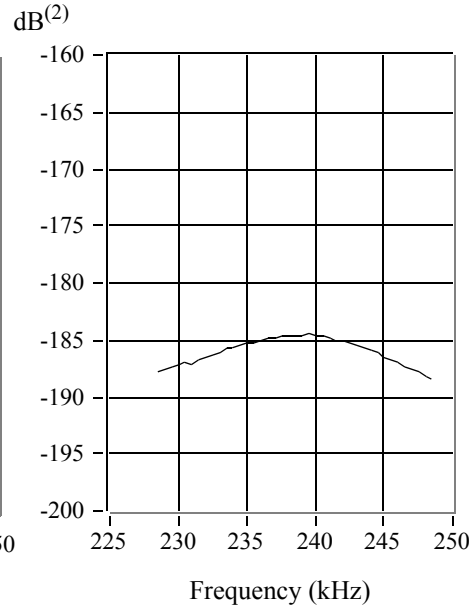
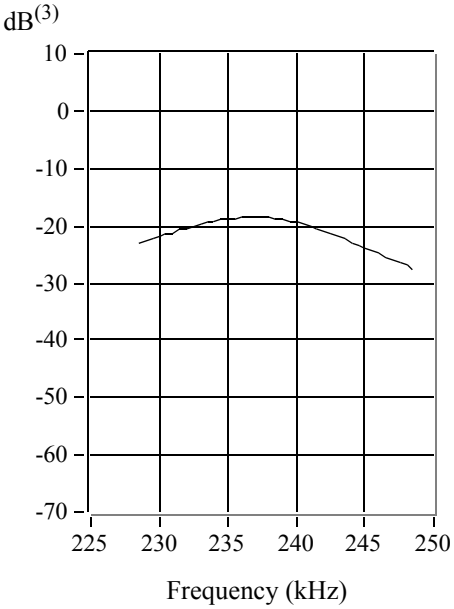


Figure of Merit

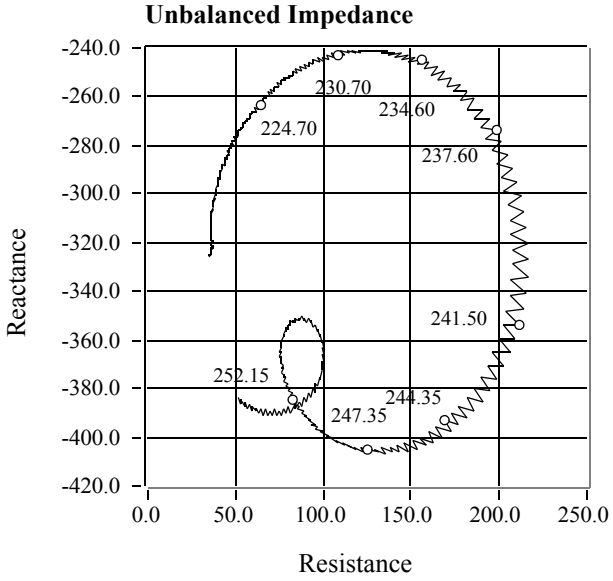


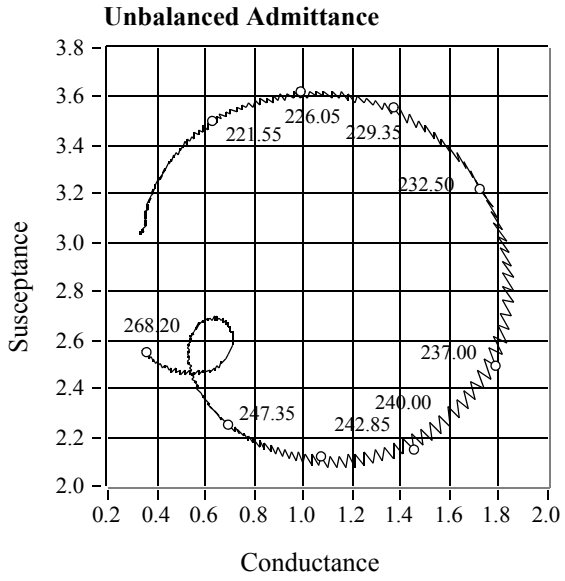
235 kHz-A

51mm (2.0") PZT

Cable Type: C2
Cable Length: 7.6m (25.0')

Impedance Data	
	Unbalanced
Parallel: Rp.	540ohms-20%,+40%
Parallel: Cp. (nominal)	1910pF
Series [R – jX] (nominal)	170 – j250 ohms
1 kHz Capacitance	3140pF±20%





235 kHz-A

Power rating: 600 Wrms @ 2% duty cycle
51mm (2.0") PZT
Active Area: 20cm²
Layered Plastic Urethane Window

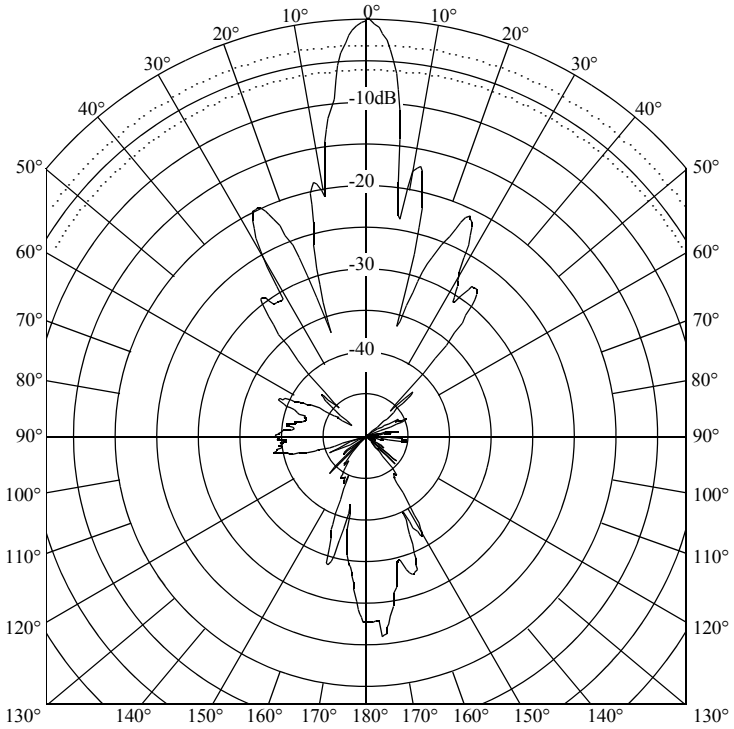
Beamwidth:

-3dB:	6°
-6dB:	9°
-10dB:	12°

Directivity Index:	28.2
Frequency Tolerance:	±5kHz
Peak TVR(1), nominal:	171dB
Peak TVR(1), minimum:	168dB
Q (transmit):	22
Peak Source Level(4):	221dB
Peak RVR(2), nominal:	-184dB
Peak Figure of Merit(3):	-15dB

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

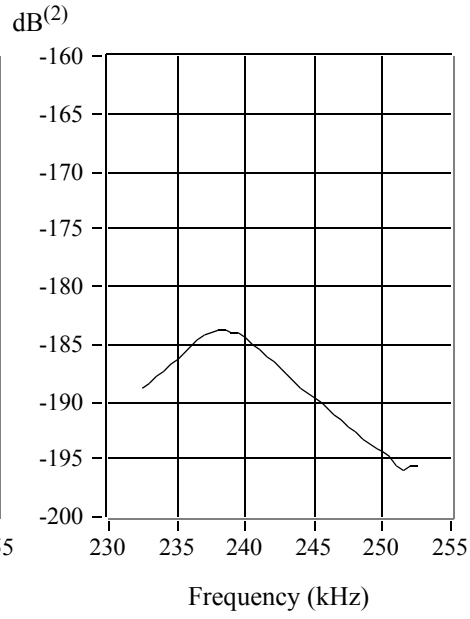
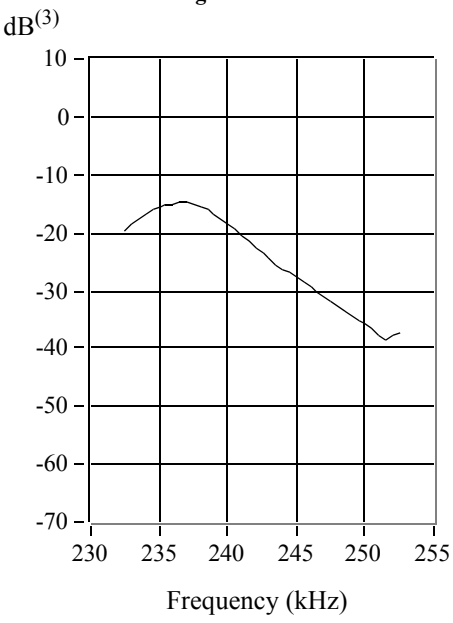


Figure of Merit



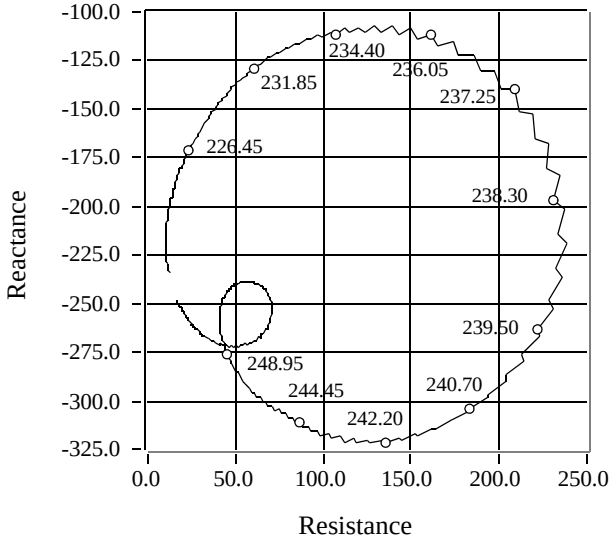
235 kHz-A

51mm (2.0") PZT

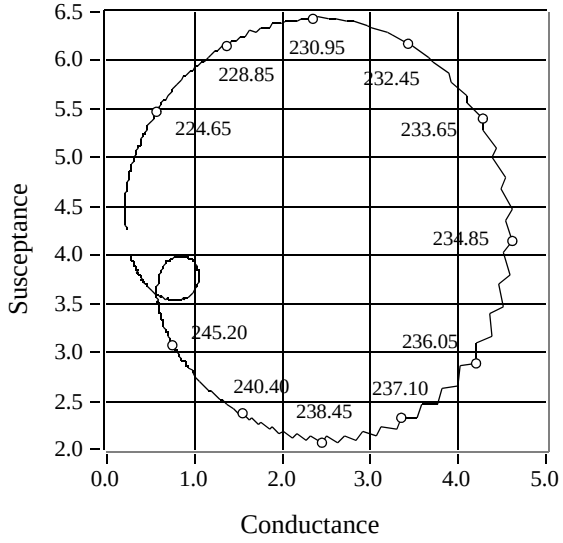
Cable Type: C2
Cable Length: 7.6m (25.0')

Impedance Data		
	Balanced	*Unbalanced*
Parallel: Rp.	220ohms-20%,+40%	220ohms-20%,+40%
Parallel: Cp. (nominal)	1400pF	3150pF
Series [R – jX] (nominal)	180 – j80 ohms	110 – j110 ohms
1 kHz Capacitance	1780pF±20%	3100pF±20%

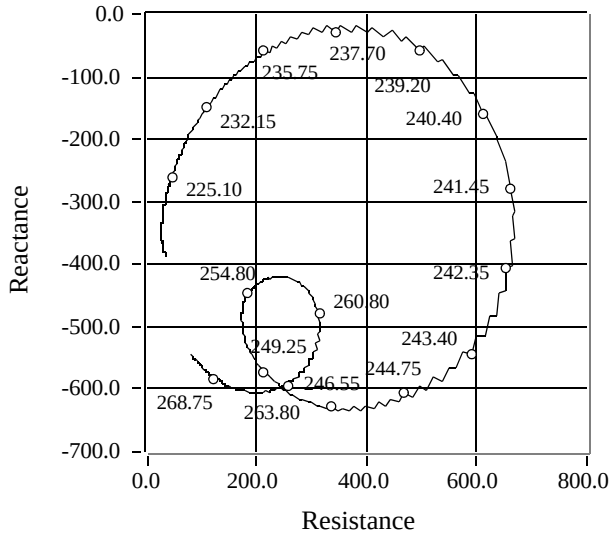
Unbalanced Impedance



Unbalanced Admittance



Balanced Impedance



Balanced Admittance