

235 kHz – F

Power rating: 100 Wrms @ 2% duty cycle

5.6mm (.22") x 32mm (1.25") PZT

Active Area: 18cm²

Urethane Window

Beamwidth:

-3dB: 10° x 44°

-6dB: 16° x 60°

-10dB: 20° x 89°

Directivity Index: 18.1

Frequency Tolerance: ±6kHz/+4kHz

Peak TVR⁽¹⁾, nominal: 160dB

Peak TVR⁽¹⁾, minimum: 157dB

Q (transmit): 20

Peak Source Level⁽⁴⁾: 207dB

Peak RVR⁽²⁾, nominal: -189dB

Peak Figure of Merit⁽³⁾: -32dB

Notes:

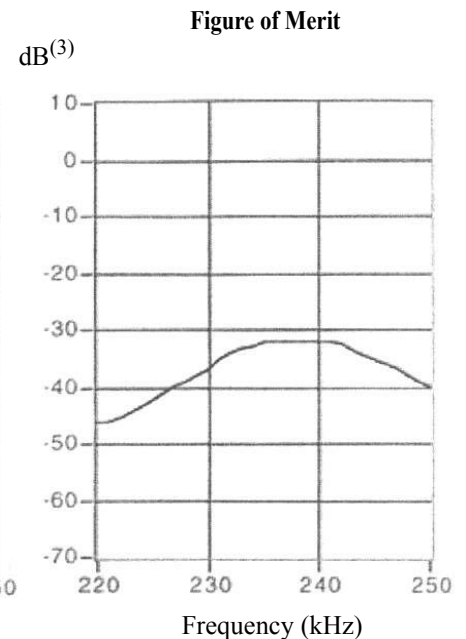
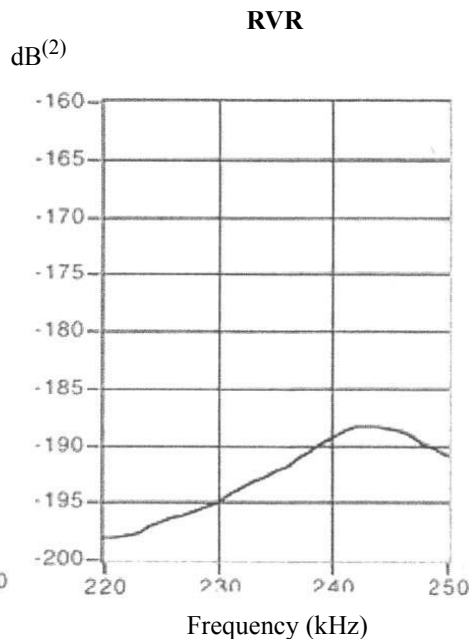
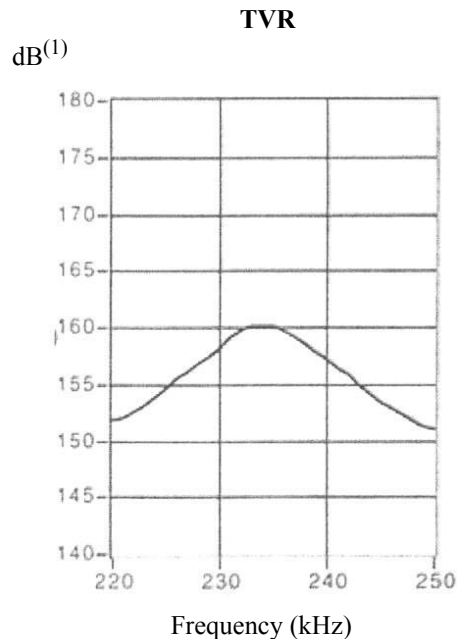
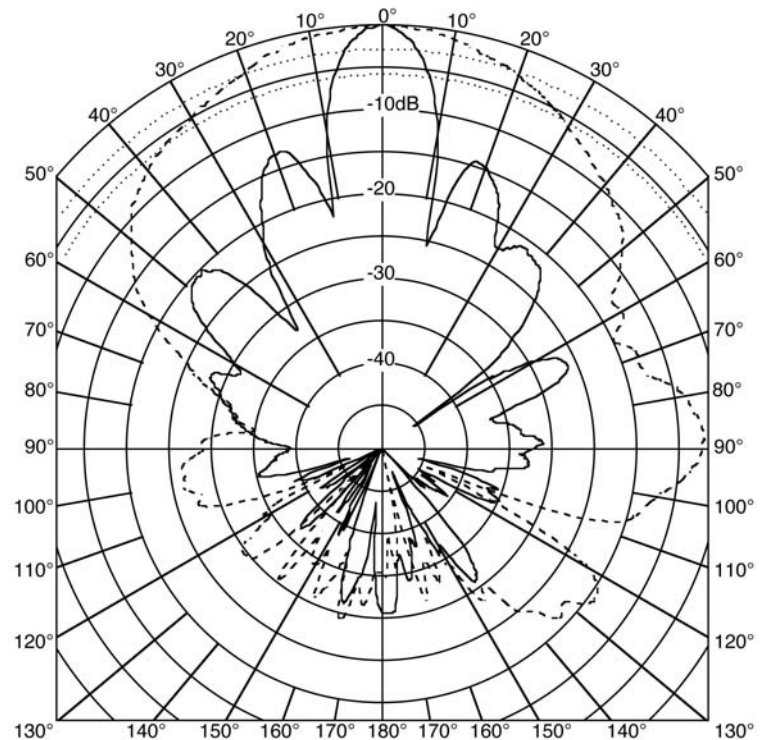
(1) dB re 1 μPa per volt at 1 meter

(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

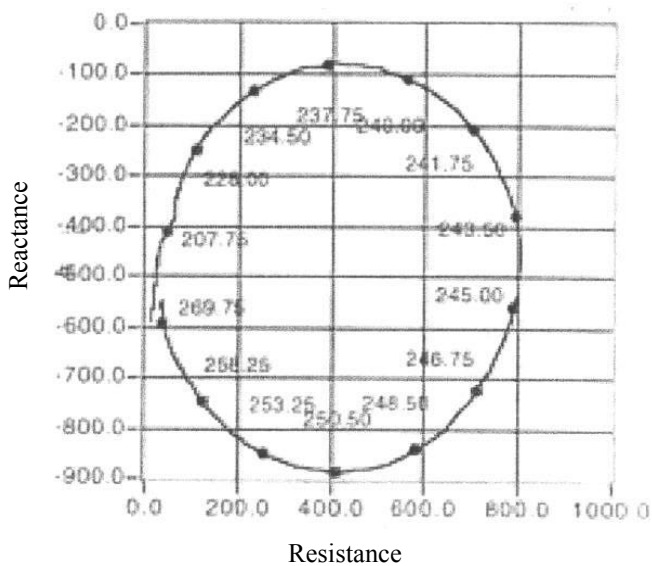


5.6mm (.22") x 32mm (1.25") PZT

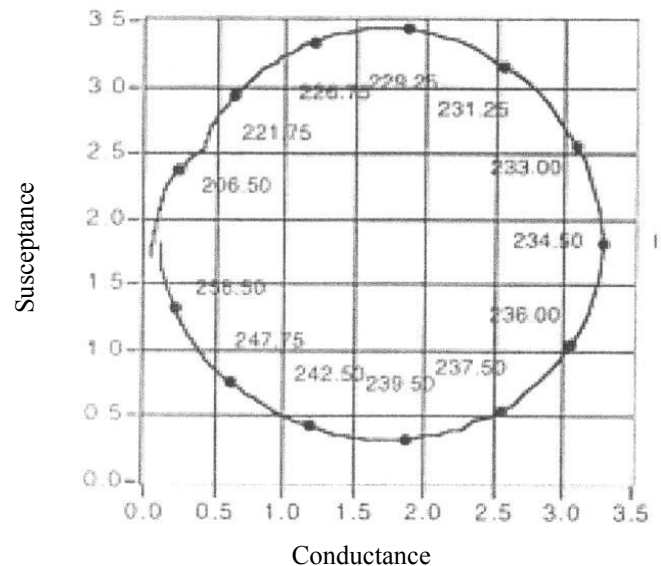
Cable Type: C47
Cable Length: 20'

Impedance Data		
	Balanced	Unbalanced
Parallel: Rp.	300ohms-20%,+40%	300 ohms 20%,+40%
Parallel: Cp. (nominal)	600pF	1250pF
Series [R – jX] (nominal)	300– j15 ohms	265– j30 ohms
1 kHz Capacitance	810pF±20%	1440pF±20%

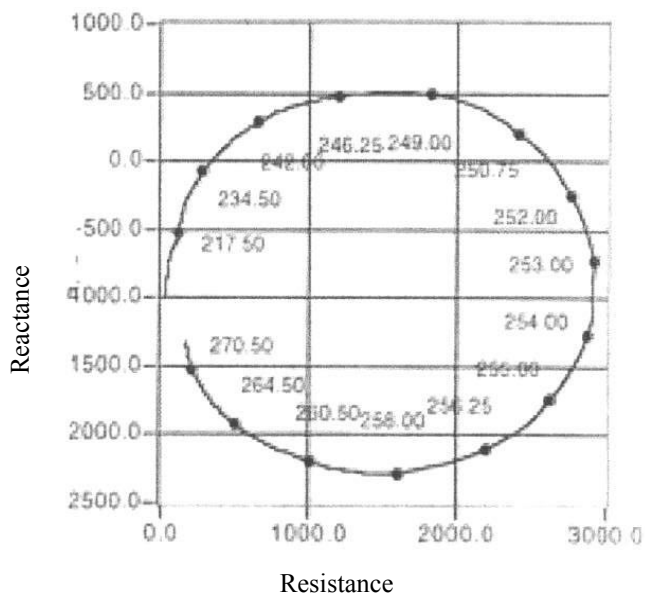
Unbalanced Impedance



Unbalanced Admittance



Balanced Impedance



Balanced Admittance

