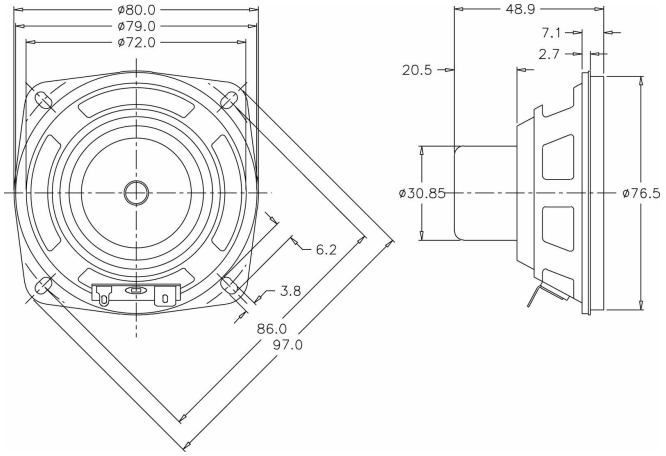
Model NS3-194-16A

3” Full Range Loudspeaker

- ***High Sensitivity***
- ***Ultra Compact Design***
- ***NO Stray Magnetic Fields***
- ***Wide Bandwidth***



Nominal Diameter (Ø)	3 inches (80 mm)
Nominal Impedance (Z)	16 Ohms
Sensitivity, 1W/1m (E)	82 dB
Power Capacity, RMS (Pe)	7.5 W
Power Capacity, Peak	15 W
Frequency Range (-10dB)	Fo - 15 kHz
Minimum Impedance	4 Ohms
Voice Coil Diameter (Ø)	19.4 mm
Voice Coil Winding Length (h)	7.2 mm
Voice Coil Number of Layers (n)	2
Voice Coil Former Material	Kapton
Voice Coil Wire Composition	Copper
Motor Reference	N194-P06-084A
Magnetic Material	Neodymium radial
Stray Flux Shielding	Inherent
Magnetic Gap Depth (He)	8.4 mm
Cone Material	Paper
Surround Material	Rubber impregnated cloth
Polarity, Outward Motion	Positive voltage on (+) tab
Net Weight	0.140 kg

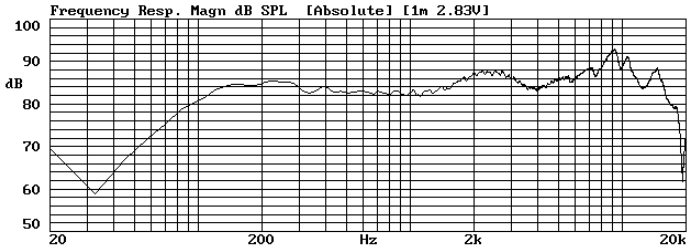
Thiele / Small Parameters

Resonant Frequency (Fo) - Fs	135 Hertz
Voice Coil DC Resistance - Re	13.7 Ohms
Total Q - Qts	1.45
Mechanical Q - Qms	6.0
Electrical Q - Qes	1.91
Equivalent Volume of Air - Vas	1.12 L
Radiating Piston Area - Sd	31.0 cm^2

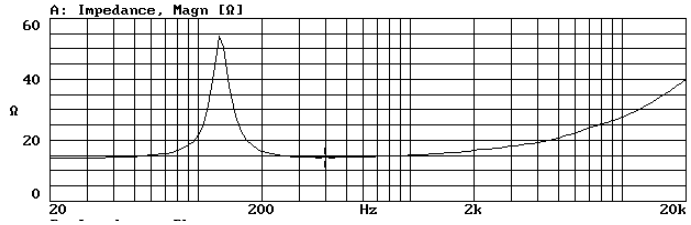
Electrical / Mechanical Parameters

Flux Density x Length - BL	3.2 Tesla-meters
Compliance - Cms	830 µm/N
Total Mass - Mms	1.7 grams

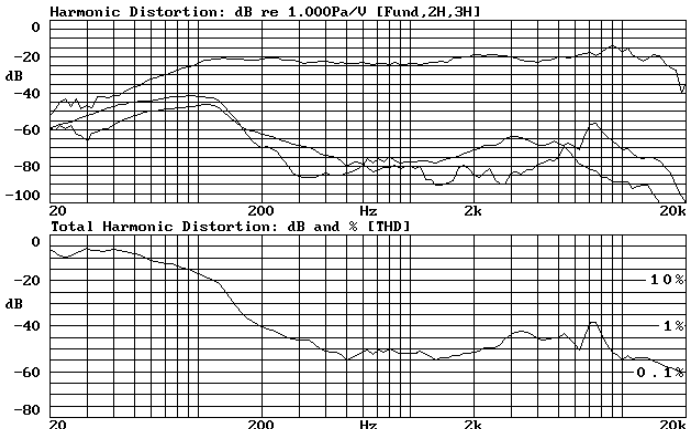
Frequency Response (1W,1m)



Impedance



Distortion (1W,1m)



02/25/05

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