

# SPECIFICATION FOR APPROVAL

DATE: 1996 / 12 / 28

ITEMS: 55-1860

**SPECIFICATIONS:**

Dimensions 165 mm (6.5 inches)  
 Impedance 8 ohms  
 Input RATED - W, MAX 150 W  
 Free air resonance 40 ± 8 Hz  
 Sensitivity 88 ± 2 dB/W/M , 2.83 V  
 Frequency range F0 ~ 10K Hz  
 Sine wave test 10 V  
 Weight 2140 grams  
 Life test 50 W 96 H EIA white noise  
 Humidity test 43 °C 92 % RH 96 H

**VOICE COIL PARAMETERS:**

Voice coil diameter 35.4 (mm)  
 Voice coil length 11 (mm)  
 Voice coil layers 4  
 Voice coil inductance (mH)

**MAGNET:**

Diameter of magnet 110 (mm)  
 Height of magnet 17 (mm)  
 Weight of magnet 567 (g)  
 Height of the gap 6 (mm)  
 Total flux (mWb)

**THIELE/SMALL PARAMETRES:**

Total Q factor	Qts: 0.271	Maximum impedance	Zo: 60.8 (Ω)
Electrical Q factor	Qes: 0.301	Suspension compliance	Cms: 0.00073 (m/N)
Mechanical Q factor	Qms: 2.75	BL product	BL: 10.4 (N/A)
Equivalent volume	Vas: 17.4 (L)	Driver piston diameter	D: 129 (mm)
Effective piston area	Sd: 0.0131 (m <sup>2</sup> )	Efficiency bandwidth product	EBP: 131.9 (Hz)
Dc resistance	Re: 6.0 (Ω)	Moving mass	Mms: 22.0 (g)
Linear displacement	Xmax: 2.5 (mm)	Resonance frequency	FS: 40 (Hz)

Frequency response and impedance curve.

