



NEW



# Integra 624

Hybrid Integra Coaxial

Ø 6", Ø 2.1" voicecoil, 4Ω

## SPECIFICATIONS

### General Data

Overall Dimensions	<b>DxH</b>	160.2 mm(6.3")x 69 mm(2.7")
Nominal Power Handling (DIN)	<b>P</b>	80W > 2500Hz , 12dB
Transient Power 10ms		200W
Sensitivity 2.83V/1M		89dB
Frequency Response		See graph
Cone/Dome Material		Soft Dome
Net Weight	<b>Kg</b>	0.76

### Electrical Data

Nominal Impedance	<b>Z</b>	4Ω
DC Resistance	<b>Re</b>	3.73 Ω
Voice Coil Inductance @ 1KHz	<b>LBM</b>	0.84mH

### Voice Coil and Magnet

Voice Coil Diameter	<b>DIA</b>	28 mm
Voice Coil Height		2.0 mm
HE Magnetic Gap Height	<b>HE</b>	2.5mm
Max. Linear Excursion	<b>X</b>	±0.25mm
Voice Coil Former		Aluminum
Voice Coil Wire		Copper
Number Of Layers		2
Magnet System Type		Hybrid™ Neodymium/Ferrite
B Flux Density	<b>B</b>	0.85 T
BL Product	<b>BXL</b>	5.4 T·m

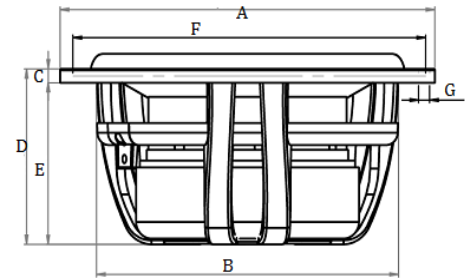
### T-S Parameters at 1v

Suspension Compliance	<b>Cms</b>	
Mechanical Q Factor	<b>Qms</b>	5.57
Electrical Q Factor	<b>Qes</b>	2.72
Total Q Factor	<b>Qts</b>	1.82
Mechanical Resistance	<b>Rms</b>	1.90 ΩM
Moving Mass	<b>Mms</b>	9.62 g
Eq. Cas Air Load (liters)	<b>VAS</b>	15.35 L
Resonant Frequency	<b>Fs</b>	1124 Hz
Effective Piston Area	<b>SD</b>	6.15 cm <sup>2</sup>

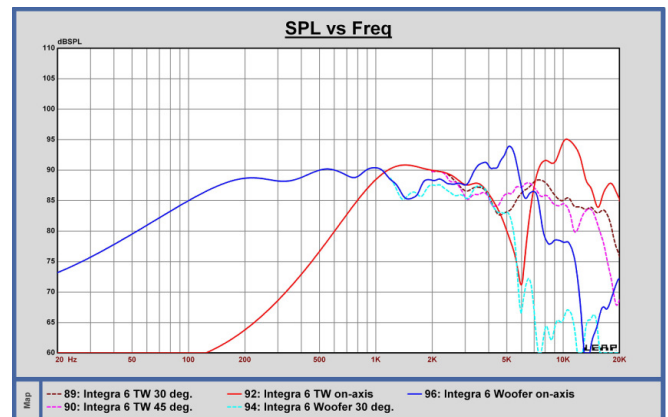
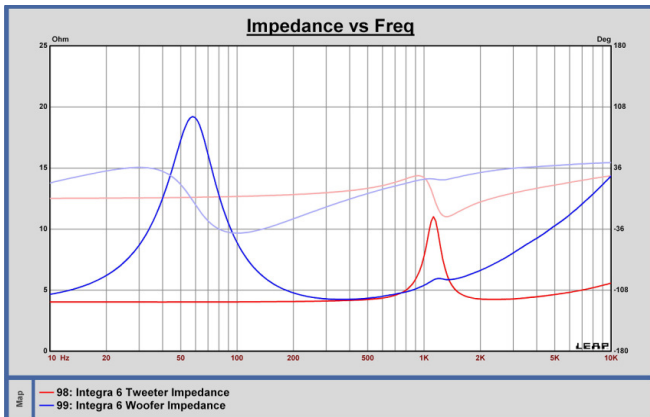
## FEATURES

- ▶ Acuflex™ Hand Coated Soft Dome
- ▶ 2.1" Large Hexatech™ Aluminum Voice Coil
- ▶ Hybrid™ Neodymium/Ferrite magnet
- ▶ Time aligned tweeter-woofer configuration
- ▶ High power handling
- ▶ Uniflow™ Aluminum die-cast chassis

## Unit Dimensions



A - Overall diameter	160.2mm
B - Cut out diameter	140.0mm
C - Flange thickness	6.0 mm
D - Overall height	69 mm
E - Basket depth	63 mm
F - Mounting holes location diameter	152mm
G - 6 Mounting holes, at 60° interval, inner hole diameter	4.2 mm



Driver is mounted rigidly in free air with no baffle or enclosure. Input signal is a stepped sinusoidal at 1VRMS. Impedance is measured using constant-voltage method. No smoothing was applied.

Driver was mounted rigidly on an IEC baffle. Microphone distance is 0.5m, input voltage 2.83VRMS and normalized to 1m. 1/12 octave smoothing was applied.

Morel operates a policy of continuous product design improvement. Consequently specifications are subject to alteration without prior notice