



NEW



Integra 524

Hybrid Integra Coaxial

Ø 5", Ø 2.1" voicecoil, 4Ω

SPECIFICATIONS

General Data

Overall Dimensions	DxH	143.2 mm(5.6")x 66.3 mm(2.6")
Nominal Power Handling (DIN)	P	80W > 2500Hz , 12dB
Transient Power 10ms		200W
Sensitivity 2.83V/1M		89dB
Frequency Response		See graph
Cone/Dome Material		Soft Dome
Net Weight	Kg	0.49

Electrical Data

Nominal Impedance	Z	4Ω
DC Resistance	Re	3.59 Ω
Voice Coil Inductance @ 1KHz	LBM	0.24mH

Voice Coil and Magnet

Voice Coil Diameter	DIA	28 mm
Voice Coil Height		2.0 mm
HE Magnetic Gap Height	HE	2.5mm
Max. Linear Excursion	X	±0.25mm
Voice Coil Former		Aluminum
Voice Coil Wire		Copper
Number Of Layers		2
Magnet System Type		Hybrid™ Neodymium/Ferrite
B Flux Density	B	0.85 T
BL Product	BXL	5.05 T·m

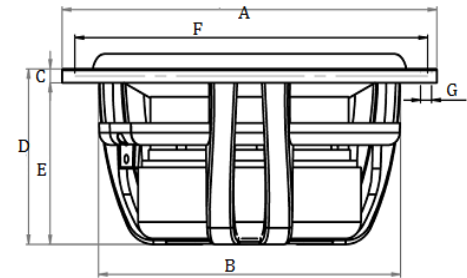
T-S Parameters at 1v

Suspension Compliance	Cms	
Mechanical Q Factor	Qms	2.26
Electrical Q Factor	Qes	2.69
Total Q Factor	Qts	1.22
Mechanical Resistance	Rms	1.55 ΩM
Moving Mass	Mms	6.59 g
Eq. Cas Air Load (liters)	VAS	12.93 L
Resonant Frequency	Fs	1083 Hz
Effective Piston Area	SD	6.15 cm ²

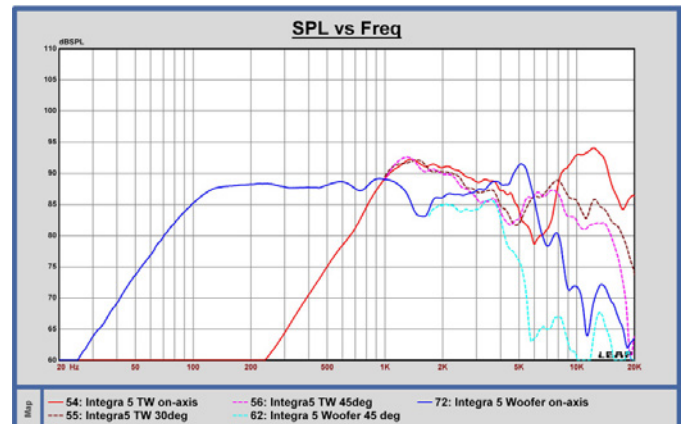
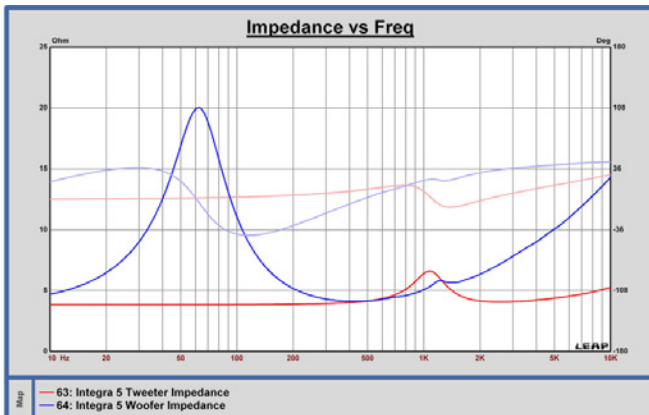
FEATURES

- ▶ 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 chasis

Unit Dimensions



A - Overall diameter	143.2mm
B - Cut out diameter	120.0mm
C - Flange thickness	6.0 mm
D - Overall height	66.3 mm
E - Basket depth	60.3 mm
F - Mounting holes location diameter	134.8mm
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