



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

		Tweeter	Woofers
Nominal Impedance	Z	4Ω	4Ω
DC Resistance	Re	3.59 Ω	3.63 Ω
Voice Coil Inductance @ 1KHz	LBM	0.24mH	0.49mH

Voice Coil and Magnet

		Tweeter	Woofers
Voice Coil Diameter	DIA	28 mm	54 mm
Voice Coil Height		2.0 mm	10mm
HE Magnetic Gap Height	HE	2.5mm	4mm
Max. Linear Excursion	X	±0.25mm	±3.0mm
Voice Coil Former			Aluminum
Voice Coil Wire		Copper	Hexatech™
Number Of Layers			Aluminum
Magnet System Type		Hybrid™ Neodymium/Ferrite	2
B Flux Density	B		0.85 T
BL Product	BXL		5.05 T·m

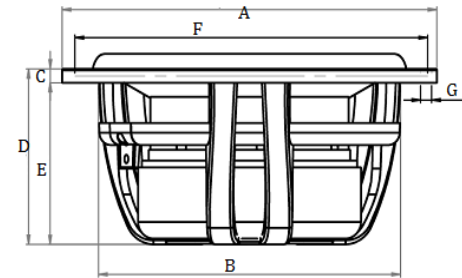
T-S Parameters at 1v

		Tweeter	Woofers
Suspension Compliance	Cms		0.98 mm/N
Mechanical Q Factor	Qms	2.26	1.65
Electrical Q Factor	Qes	2.69	0.36
Total Q Factor	Qts	1.22	0.29
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	62 Hz
Effective Piston Area	SD	6.15 cm ²	97 cm ²

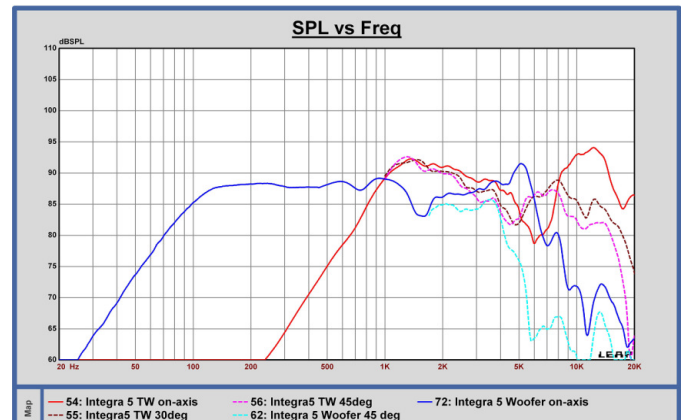
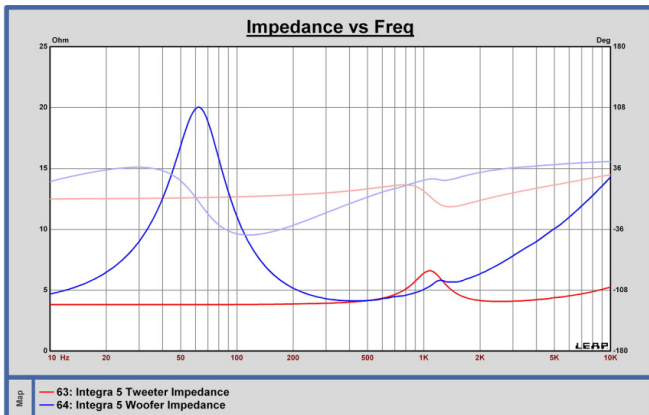
FEATURES

- ▶ 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