PowerSlim6 Carbon

Ultra Slim Mid-woofer

Ø 6", Ø 2.1" voicecoil, 4Ω

SPECIFICATIONS

General Data

Overall Dimensions	**DxH**	160mm x 16.7mm(6.3" x 0.65")
Nominal Power Handling (DIN)	**P**	70 watt
Transient Power 10ms		180 watt
Sensitivity 2.83V/1M		89 dBSPL
Frequency Response		See graph
Cone Material		Carbon sandwich 3 layer cone
Net Weight	**Kg**	0.48

Electrical Data

Nominal Impedance	**Z**	6Ω
DC Resistance	**Re**	4Ω
Voice Coil Inductance @ 1KHz	**LBM**	0.26mH

Voice Coil and Magnet Parameters

Voice Coil Diameter	**DIA**	54mm
Voice Coil Height		9.5mm
HE Magnetic Gap Height	**HE**	4mm
Max. Linear Excursion	**X**	± 2.75mm
Voice Coil Former		Aluminum
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		Neodymium Vented
B Flux Density	**B**	1.13T
BL Product	**BXL**	7.08T

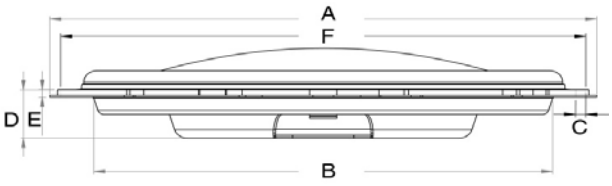
T-S Parameters

		Small Signal	1 V
Suspension Compliance	**Cms**		0.34 mm/N
Mechanical Q Factor	**Qms**		2.16
Electrical Q Factor	**Qes**		0.88
Total Q Factor	**Qts**		0.62
Mechanical Resistance	**Rms**		2.98 ΩM
Moving Mass	**Mms**		14.15 g
Eq. Cas Air Load (liters)	**VAS**		8.4 L
Resonant Frequency	**Fs**		72 Hz
Effective Piston Area	**SD**		133 cm²

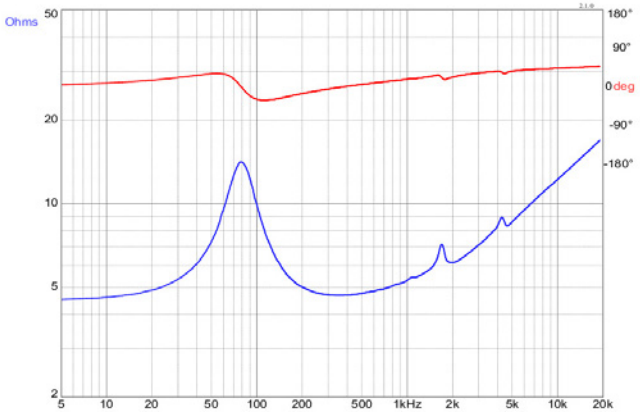
FEATURES

- Ultra Shallow Profile
- 2.1" Large Hexatech™ Aluminum voice coil
- Neodymium Magnet System
- High power handling
- Carbon Cone

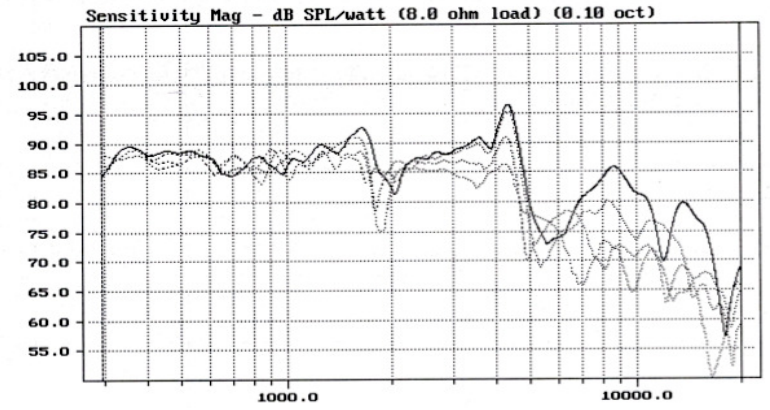
UNIT DIMENSIONS



A - Overall diameter	160mm
B - Cut out diameter	134mm
C - Flange thickness	1.3mm
D - Overall height	33.4mm
E - Basket depth	14.1mm
F - Mounting holes location diameter	154mm
G - 4 Mounting holes, at 90º interval, inner hole diameter	Ø 3 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 continuos product design improvement. Consequently specifications are subject to alteration without prior notice