



# ST 1108

## Supreme Tweeter, Ø 110mm, 8Ω



### Features:

- \* Underhung voice coil
- \* Large Hexatech™ aluminum voice coil
- \* 110mm IDR™ Improved Dispersion Recess design aluminum face plate
- \* Replaceable Acuflex™ dome / coil assembly
- \* Neodymium flat pancake design magnet
- \* High power handling

## SPECIFICATIONS

### General Data

Overall Dimensions	DxH	110mm(4.33")x40mm(1.57")
Nominal Power Handling (DIN)	P	220W/12dB
Transient Power 10ms		1000W
Sensitivity 1W/1M		91.5dB SPL
Frequency Response		1400-22K (Limit 300 - 50K Hz)
Cone/Dome Material		Acuflex™ hand coated soft dome
Net Weight	Kg	0.445

### Electrical Data

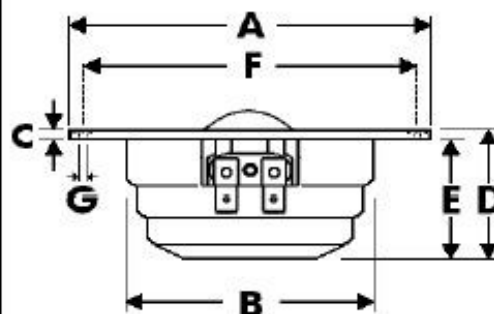
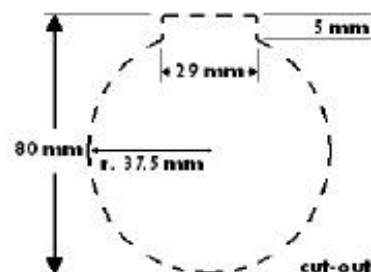
Nominal Impedance	Z	8Ω
DC Resistance	Re	5.2Ω
Voice Coil Inductance @ 1KHz	LBM	0.09mH

### Voice Coil and Magnet Parameters

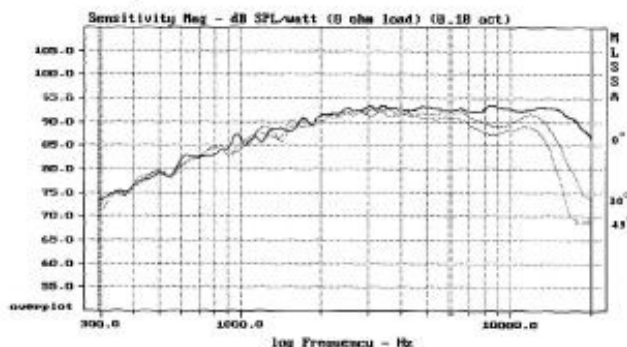
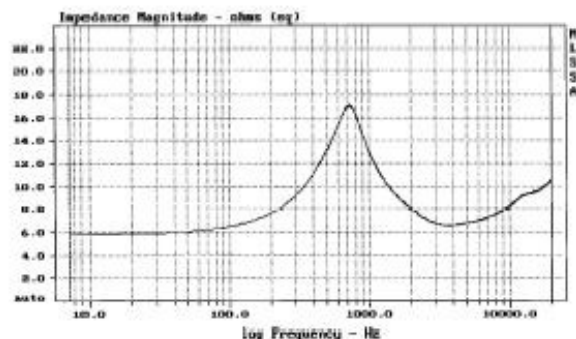
Voice Coil Diameter	DIA	28mm
Voice Coil Height		2.7mm
HE Magnetic Gap Height	HE	4.2mm
Max. Linear Excursion	X	
Voice Coil Former		Aluminum
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		Neodymium Flat Pancake
B Flux Density	B	? T
BL Product	BXL	? N.A

### T-S Parameters

Suspension Compliance	Cms	
Mechanical Q Factor	Qms	
Electrical Q Factor	Qes	
Total Q Factor	Qts	
Mechanical Resistance	Rms	
Moving Mass	Mms	
Eq. Cas Air Load (liters)	VAS	
Resonant Frequency	Fs	680 Hz ±10%
Effective Piston Area	SD	6.0 cm <sup>2</sup>



A - Overall diameter	110mm
B - Magnet/Chamber diameter	75mm
C - Flange thickness	3mm
D - Overall height	40mm
E - Magnet/Chamber depth	37mm
F - Mounting holes location diameter	100mm
G - 6 Mounting holes, at 60° interval, inner hole diameter	Ø 3.7mm
pocket	h 1mm, Ø 7mm



This model replaces former Morel Supreme-110 model.

Morel operate policy of continuous product design improvement, consequently specifications are subject to alteration without prior notice.