

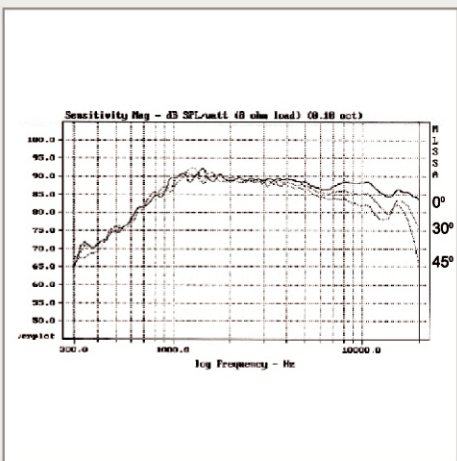
# MDT 12 - SOFT DOME TWEETER

## Neodymium Magnet Motor



### FEATURES:

- Large diameter voice coil
- Powerful Neodymium magnet system
- Magnetically shielded for A/V systems
- Ferrofluid cooled
- High power handling
- Sturdy gold-plated input tags



## Specifications

Overall Dimensions		54x54x19mm(2.1x2.1x0.75")
Nominal Power Handling (D.N)	P	80 W
Transient power 10ms		500 W
Nominal Impedance	Z	8 Ohms
Sensitivity 1W/1M		89 dB
Frequency Response		1800-25000 Hz
Resonant Frequency	FS	1000 Hz

### Voice coil

Voice Coil Diameter	DIA	28mm (1.125")
Voice Coil Height		2.5mm (0.098")
Voice Coil Former		Aluminum
Voice Coil Wire		Copper
Number of Layers		2
DC Resistance	RE	5.2 Ohms
Voice Coil Inductance @ 1KHz	LBM	0.05 mH

### Magnet System

Magnet System Type		Neodymium
HE - Magnetic Gap Height	HE	2.5mm (0.098")
B Flux Density	B	1.4 T
BL Product	BXL	2.8 N.A
Max. Linear Excursion	X	

### Operational Parameters

Suspension Compliance	CMS	
Mechanical Q Factor	QMS	
Electrical Q Factor	QES	
Total Q Factor	Q/T	
Mechanical Resistance	RMS	
Moving Mass	MMS	0.47 gm.
Eq. Cas Air Load (liters)	VAS	
Cone / Dome Material		Selected Soft Fabric
Effective Piston Area	SD	6.0 cm <sup>2</sup>
Net Weight	Kg.	0.08 Kg.

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