



MW-115s

classic range

4" Midrange

Specifications – MW-115s



APPLICATION INFORMATION		
Overall Dimensions		118mm x 58mm deep 4.64" x 2.28" deep
Nominal Power Handling (DIN)	P	120 W
Transient Power - 10 ms		800 W
Nominal Impedance	Z	8 Ω
Sensitivity 1W/1M		87 dB
Frequency Response		75 – 5,000 Hz
Resonant Frequency	FS	78 Hz
VOICE COIL		
Voice Coil Diameter	φ	54mm (2.125")
Voice Coil Height		10.0 mm (0.393")
Voice Coil Former		Aluminum
Voice Coil Wire		Hexatech aluminum
Number of Layers		2
DC Resistance	RE	5.6 Ω
Voice Coil Inductance @ 1 kHz	LBM	0.42 mH
MAGNET SYSTEM		
Magnet System Type		Neodymium, vented
Magnetic Gap Height	HE	6.0 mm (0.24")
Flux Density	B	0.88 T
BL Product	BXL	7.06 NA
Max. Linear Excursion	X	±2.0 mm (0.078")
OPERATIONAL PARAMETERS		
Suspension Compliance	CMS	529 μM / Newton
Mechanical Q Factor	QMS	2.29
Electrical Q Factor	QES	0.44
Total Q Factor	Q/T	0.37
Mechanical Resistance	RMS	1.347 Kg S ⁻¹
Moving Mass	MMS	6.30 g
Equivalent Cas Air Load	VAS	2.76 L
Cone / Dome Material		DPC (Damped Polymer Composite)
Effective Piston Area	S	61 cm ²
Net Weight	Kg	0.50 Kg

Features:

- Hexatech aluminum voice coil
- Vented neodymium magnet system
- Gold Plated input tags
- Shallow DPC Cone
- Reduced stray magnetic field

The MW-115s features a neodymium magnet system which provides increased sensitivity, lower QT and reduced distortion. The 54mm Hexatech aluminum voice coil is large for a unit of this size. The benefits are a high power handling capability and lack of sound level compression. The shallow cone profile provides excellent dispersion, off axis response and reduced cone breakup at high power levels.

The magnet system and chassis design help to eliminate stray magnetic fields making this unit ideal for A/V applications.