

# DELTALITE®



## DELTALITE® 2512

Nominal Basket Diameter	12", 304.8mm
Impedance	8 $\Omega$
Power Rating	300Wrms
Resonance	42Hz
Usable Frequency Range	45Hz - 3.5kHz
Sensitivity	<a href="#">see guide on web</a>
Magnet Weight	7oz.
Gap Height	0.325", 8.26mm
Voice Coil Diameter	2.5", 63.5mm

### Mounting Information

Overall Diameter	12.38", 314.3mm
Baffle Hole Diameter	11.04", 280.4mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.275", 6.99mm
Mounting Holes B.C.D.	11.62", 295.15mm
Depth	6.05", 153.56mm
Shipping Weight	8.6 lbs., 3.9 kg.

### Thiele-Small Parameters

Resonant Frequency (fs)	42Hz
Impedance (Re)	5.21 $\Omega$
Coil Inductance (Le)	0.71mH
Electromagnetic Q (Qes)	0.40
Mechanical Q (Qms)	4.02
Total Q (Qts)	0.36
Compliance Equivalent Volume (Vas)	154.5 liters
	5.46 cu. ft.
Mechanical Compliance of Suspension (Cms)	0.39mm/N
BL Product (BL)	11.3 T-M
Diaphragm Mass inc. Airload (Mms)	36.8 grams
Equiv. Resistance of Mechanical	
Suspension Loss (Rms)	2.43N*sec/M
Efficiency Bandwidth Product (EBP)	107
Voice Coil Overhang (Xmax)	2.9mm
Surface Area of Cone (Sd)	532.4cm <sup>2</sup>
Impedance at Resonance (Zmax)	58 $\Omega$

### Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated edgewound aluminum voice coil with BeCu lead-outs for durability, increased sensitivity, and power handling
- Neodymium magnet for substantial weight reduction
- Lightweight die-cast aluminum basket for rigidity
- Paper cone
- Rolled cloth cone edge with deep corrugations for extended Xmax
- Aluminum phasor/heatsink to transfer heat from the motor structure and smooth response
- Screened cloth dust cap for enhanced cooling and protection

Eminence Speaker LLC  
P. O. Box 360  
Eminence, KY 40019  
502.845.5622 phone  
502.845.5653 fax