

BETA 10 (16 ohm)

Nominal Basket Diameter	10", 254mm
Impedance	16 ohms
Power Rating	250Wrms
Resonance	50Hz
Usable Frequency Range	50Hz - 4kHz
Sensitivity	see guide on web
Magnet Weight	34oz.
Gap Height	0.312", 7.94mm
Voice Coil Diameter	2", 50.8mm

Mounting Information

Recommended Enclosure Volume (vented)	54 - 89 liters 1.9 - 3.15 cu. ft.
Overall Diameter	10.11", 256.8mm
Baffle Hole Diameter	9.13", 231.8mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.225", 5.7mm
Mounting Holes B.C.D.	9.6", 243.8mm
Depth	3.98", 101.1mm
Shipping Weight	8.2lbs., 3.7 kg.

Thiele-Small Parameters

Resonant Frequency (fs)	50Hz
Impedance (Re)	15.1 ohms
Coil Inductance (Le)	1.75mH
Electromagnetic Q (Qes)	0.48
Mechanical Q (Qms)	7.1
Total Q (Qts)	0.45
Compliance Equivalent Volume (Vas)	2.35 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	104cc
Mechanical Compliance of Suspension (Cms)	0.40mm/N
BL Product (BL)	15.8 T-M
Diaphragm Mass inc. Airload (Mms)	26 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	1.13N*sec/M
Efficiency Bandwidth Product (EBP)	103
Voice Coil Overhang (Xmax)	3.0mm
Surface Area of Cone (Sd)	344.9cm ²
Impedance at Resonance (Zmax)	237 ohms



Application Notes

Performance optimized for lead guitar. Also suitable for bass guitar, vocal P.A., keyboards, club music systems and stage monitors.

Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 33ga., copper voice coil for improved power handling and durability.
- Ferrite Magnet
- Vented core for increased power handling
- Premium pressed steel basket for maximum strength
- Paper cone
- Cloth cone edge
- Solid composition paper dust cap

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