

GAMMA 12

Nominal Basket Diameter	12", 304.8mm
Impedance	8 ohms
Power Rating	300Wrms
Resonance	57Hz
Usable Frequency Range	55Hz - 5kHz
Sensitivity	see guide on web
Magnet Weight	42oz.
Gap Height	0.375", 9.52mm
Voice Coil Diameter	2.5", 63.5mm

Mounting Information

Recommended Enclosure Volume (vented)	42 - 71 liters 1.5 - 2.5 cu. ft.
Recommended Enclosure Volume (closed)	31 - 54 liters 1.1 - 1.9 cu. ft.
Overall Diameter	12.02", 305.2mm
Baffle Hole Diameter	10.97", 278.6mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	11.63", 295.3mm
Depth	5.25", 133.35mm
Shipping Weight	12.1lbs., 5.6 kg.

Thiele-Small Parameters

Resonant Frequency (fs)	57Hz
Impedance (Re)	6.52 ohms
Coil Inductance (Le)	0.95mH
Electromagnetic Q (Qes)	0.75
Mechanical Q (Qms)	6.86
Total Q (Qts)	0.67
Compliance Equivalent Volume (Vas)	74.1 liters 2.62 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	80cc
Mechanical Compliance of Suspension (Cms)	0.21mm/N
BL Product (BL)	10.9 T-M
Diaphragm Mass inc. Airload (Mms)	38 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	1.97N*sec/M
Efficiency Bandwidth Product (EBP)	77
Voice Coil Overhang (Xmax)	1.6mm
Surface Area of Cone (Sd)	506.7cm ²
Impedance at Resonance (Zmax)	66 ohms
Maximum Linear Excursion (Xmech)	21.34mm

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Application Note

For all high power bass applications including bass guitar.

Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 29ga., aluminum voice coil for lower mass and increased sensitivity
- Ferrite Magnet
- Vented core for increased power handling
- Premium pressed steel basket for maximum strength
- Paper cone
- Cloth cone edge
- Solid composition felt dust cap

