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Product Specification Sheet

Brand: Redback

Part No	Description	Supplier Ordering Info
C 3024	SPEAKER PECC WOOFER 8" 100W	200-5606A22-1

Specification Sheet

200mm PECC Bass Driver

Description

200mm (8") speaker

- Ideal for hi-fi speakers or component subwoofers
- Poly emulsion coated cone (PECC)
- Pressed steel basket

Specifications

Nominal power rating:60 W RMS
Maximum power rating:100 W
Nominal impedance:8 Ω
Frequency response:35Hz - 4kHz
Surround material:Nitrile rubber
Voice coil diameter:35 mm
Net weight:2.2 kg
Magnet weight:848 g
Overall diameter:205 mm
Cutout diameter:183 mm
Mounting depth:85 mm



Driver Parameters

Electrical / Mechanical

Voice coil resistance (Revc):5.7 Ω
Impedance at Fo (Zo):63.4 Ω
Resonant frequency (Fo):34.8 Hz
Effective piston area (Sd):0.0222 m²
Force factor (BL):12.81 TM
Sensitivity (SPL):90.3 dB @ 1W/1m
Acoustic volume (Vas):43 L
Mechanical Q (Qms):2.62
Electrical Q (Qes):0.260
Total Q (Qts):0.236
Compliance (Cms):611.57 μ m/N
Total moving mass (Mms):34.2g
Diaphragm mass (Mmd):32.3g
Voice coil height (Hvc):10.5 mm
Air gap height (Hag):6 mm
Maximum linear excursion (Xmax):2.25mm

Motor Impedance

Voice coil inductance @ 1kHz (Levc1):0.556 mH
Voice coil inductance @ 20kHz (Levc2):0.237 mH
Resistance constant (Krm):11.16 m Ω
Reactance constant (Kxm):6.68 mH
Resistance at 1kHz (Res1):2.73 Ω
Resistance at 20kHz (Res2):18.02 Ω
Resistance Exponent (Erm):0.6291
Reactance Exponent (Exm):0.7156

Suggested Enclosure