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## Product Specification Sheet

Brand: Redback

Part No	Description	Supplier Ordering Info
C 3055	SPK POLY WOOF/MID 6.5" 30W	160-5601A22

## Specification Sheet

# 165mm Polypropylene Bass Driver

### Description

165mm (6.5") speaker

- Ideal for bookshelf hi-fi speakers
- Polypropylene cone
- Pressed steel basket

### Specifications

Nominal power rating: .....30 W RMS  
Maximum power rating: .....50 W  
Nominal impedance: .....8  $\Omega$   
Frequency response: .....Fo - 4kHz  
Voice coil diameter: .....28 mm  
Surround material: .....Foam rubber  
Net weight: .....740 g  
Magnet weight: .....283 g  
Overall diameter: .....165 mm  
Cutout diameter: .....148 mm  
Mounting depth: .....64 mm



### Driver Parameters

#### Electrical / Mechanical

Voice coil resistance (Revc): .....6.6  $\Omega$   
Impedance at Fo (Zo): .....40.8  $\Omega$   
Resonant frequency (Fo): .....48.4 Hz  
Effective piston area (Sd): .....0.013 m<sup>2</sup>  
Force factor (BL): .....6.23 TM  
Sensitivity (SPL): .....87.5 dB @ 1W/1m  
Acoustic volume (Vas): .....20.7 L  
Mechanical Q (Qms): .....3.36  
Electrical Q (Qes): .....0.648  
Total Q (Qts): .....0.543  
Compliance (Cms): .....861.36  $\mu$ m/N  
Total moving mass (Mms): .....12.5g  
Diaphragm mass (Mmd): .....11.7g  
Voice coil height (Hvc): .....7.8 mm  
Air gap height (Hag): .....4 mm  
Maximum linear excursion (Xmax): .....1.9 mm

#### Motor Impedance

Voice coil inductance @ 1kHz (Levc1): .....1.03 mH  
Voice coil inductance @ 20kHz (Levc2): .....0.474 mH  
Resistance constant (Krm): .....0.776 m $\Omega$   
Reactance constant (Kxm): .....10.1 mH  
Resistance at 1kHz (Res1): .....2.26  $\Omega$   
Resistance at 20kHz (Res2): .....34.86  $\Omega$   
Resistance Exponent (Erm): .....0.9123  
Reactance Exponent (Exm): .....0.7394

### Suggested Enclosure