6-1/2" Woofer



Description

Low cost general replacement woofer is ideal in a two way cabinets or as a compact sub woofer. It is perfect for a wide variety of home or auto sound applications and is ideal for either ported or sealed enclosures.

Specifications

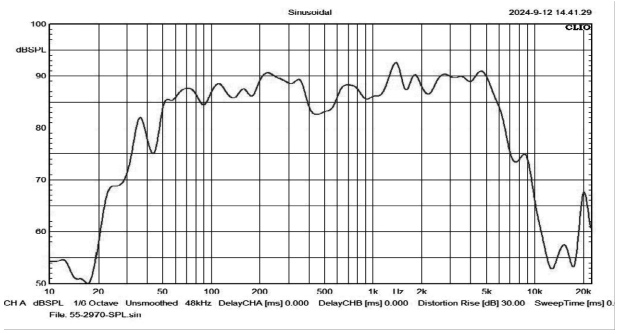
Nominal Diameter	: 6.5 Inch
Rated Impedance	: 8Ω
Operating Bandwidth	: 55 - 6kHz (±3dB)
Max Power Handling Capacity	: 50 Watts
Rms Power Handling Capacity	: 25 Watts
Sensitivity (1W/M)	: 87dB (±3dB)
Voice Coil Diameter	: 1 Inch
Voice Coil Over Hang	: X-max: 3.1mm
Total Q Factor	: Qts: 0.6594
Equivalent Cas Air Load	: Vas: 18.8 liters
Coil Inductance	: Le : 0.3875 mH
Resonance Frequency	: Fs: 52.6Hz
DC Resistance	: Re: 6.6Ω
Mechanical Q Factor	: Qms: 2.841
Electrical Q Factor	: Qes: 0.8586
Resonant Frequency	: 52.6Hz
Surface Area of Cone	: Sd: 1.389m²
Efficiency Bandwidth Product	: EBP: 61.2

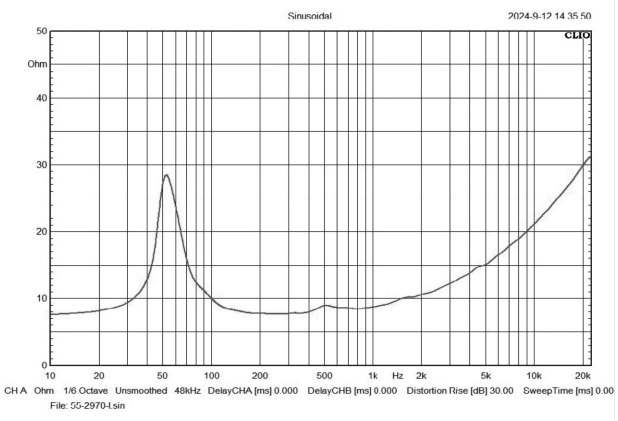
Physical Information

Basket	: ABS Plastic
Magnet Type	: 16.6 OZ±5%
Cone Material	: Black PP Cone
Surround	: Rubber
Dust Cap	: PP
Damper	: cloth
Former Material	: Polyamide
Voice Coil Material	: Aluminium
Diaphragm Material	: Titanium
Surround / Edge Termination	: Double Sinusoidal Roll Titanium
Magnet Material	: Ferrite
Connectors	: Push Button Spring Terminals
Speaker Mounting	: Panel Mount
External Depth	: 62mm (2.44")
External Diameter	: 165mm (6.496")
Speaker Shape	: Round
Polarity	: Positive voltage at red/positive terminal causes positive pressure at throat exit

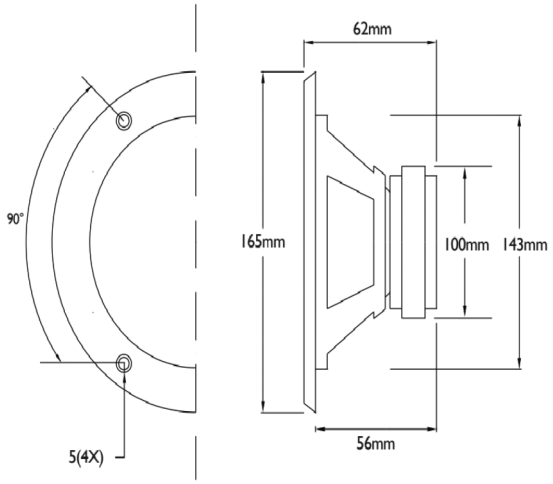
6-1/2″ Woofer

Frequency Response





Diagram



Part Number Table

Dimensions : Millimetres

Description	Part Number
Woofer with Polypropelyne Cone and Rubber Surround, 6-1/2″, 50W RMS at 8Ω	55-2970

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