

# 6-1/2" Woofer

**multicomp**PRO



## 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  | : 100 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 Gas 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: 1.389m <sup>2</sup> |
| Efficiency Bandwidth Product | : EBP: 61.2               |

## Physical Information

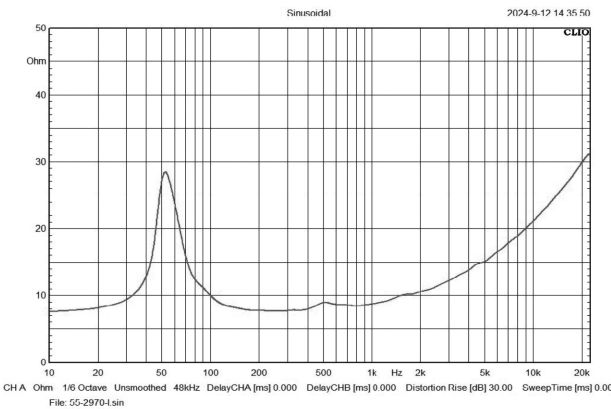
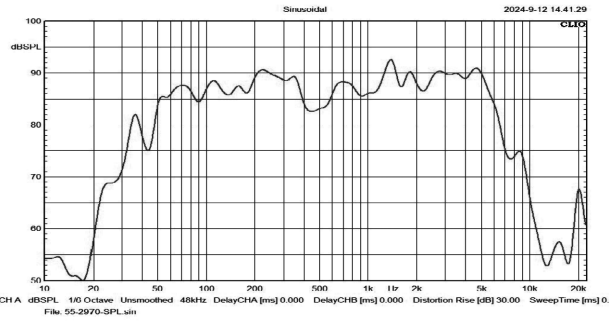
|                             |   |
|-----------------------------|---|
| Basket                      | : ABS PLASTIC   |
| Magnet Type                 | : 16.6 OZ±5%  |
| Cone Material               | : Black PP Cone   |
| Surround                    | : Rubber  |
| Dust Cap                    | : PP  |
| 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 |

Newark.com/multicomp-pro  
Farnell.com/multicomp-pro  
sg.element14.com/b/multicomp-pro

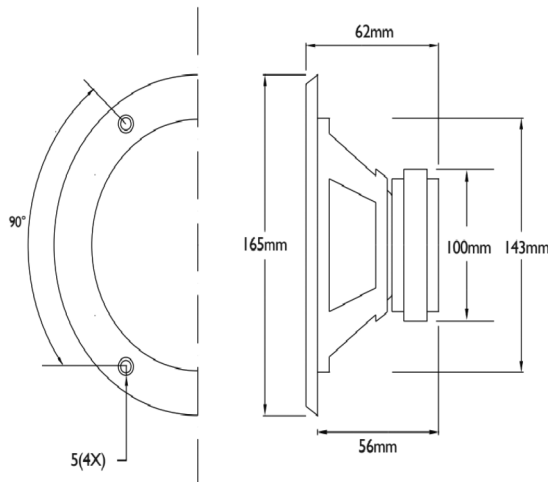
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## Frequency Response



## Diagram



## Part Number Table

Dimensions : Millimetres

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

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