



**Electro-Voice®**  
a gulton company



## Model 89478 Dome Tweeter

### SPECIFICATIONS

**Frequency Response:**

±3 dB, 1,500-18,000 Hz

**Nominal Impedance:**

8 ohms

**Nominal DC Resistance:**

7.5 ohms

**Long-Term Average Power Capacity,**

Shaped Pink Noise, 8 Hours,

**6 dB Crest Factor:**

25 watts (1,500-15,000 Hz)

**Recommended Minimum Crossover**

**Frequency:**

1,500 Hz

**Sound Pressure Level at 1 Meter, 1 Watt**

**Input Averaged 1,500 Hz to 15,000 Hz:**

94 dB

**Voice Coil Diameter:**

3.81 cm (1.50 in.)

**Voice Coil Construction:**

Pure aluminum wire wound on  
high-temperature polyimide coil form

**Diaphragm Construction:**

Rugged phenolic impregnated cloth

**Magnetic System Weight:**

0.68 kg (1.5 lb)

**Magnet Material:**

Ceramic

**Total Gap Flux:**

47,000 maxwells

**Gap Flux Density:**

1.24 T

**Dimensions:**

14.1 cm (5.5 in.) diameter

4.3 cm (1.7 in.) deep

**Net Weight:**

1.05 kg (2.3 lbs)

**Mounting:**

3 off 8-32 clearance holes on  
a 4.625 bolt circle

### DESCRIPTION

The 89478 dome tweeter is designed for use above 1,500 Hz in high-efficiency, direct-radiating speaker systems. It combines smooth extended high-frequency response with efficient performance. A 3.81 cm (1.5 in.) aluminum voice coil wound on a high-temperature polyimide coil form enables the 89478 dome tweeter to handle 25 watts of input power (most tweeters operate in the 5-watt range), while faithfully reproducing program material with response out to 18,000 Hz. Its wide, uniform dispersion (120 degrees at 5,000 Hz) is especially important in stereo reproduction to allow the largest possible listening area.



**ELECTRO-VOICE, INC., 600 Cecil Street, Buchanan, Michigan 49107**

MANUFACTURING PLANTS AT ■ BUCHANAN, MI ■ NEWPORT, TN ■ SEVIERVILLE, TN ■ REDMOND, WA ■ GANANOQUE, ONT  
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