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Model MT56R - Matching Transformer

Wideband Power Amplifiers



Features

Frequency Range: 30Hz to 500kHz

Output Power: 75 Watts

Maximum Current: 6.5A

Input Voltage: 125V rms

Matched Loads from 2 ohms to 1k ohms

30Hz to 500kHz

75 Watts

Can only be used with [Model 7500](#)

Impedance Matching Transformer

*** Application Notes ***

[Parallel Operation](#)

[Series Operation](#)

[Push-Pull Operation](#)

DESCRIPTION

The Krohn-Hite Model MT56R Matching Transformer is specifically designed as an accessory to broaden the amplification range of Krohn-Hite amplifiers, by providing increased output current capability and a greater range of output impedance. The Model MT56R may be used with the Model 7500 amplifiers.

The Model MT56R provides primary-to-secondary turns ratio of 10, 5, 2.5 and 1.25 to 1, selected by the 4-position LOAD IMPEDANCE switch. When using the Model 7500 Amplifier, which has a 200 ohm output impedance, these correspond to matched loads of 2, 8, 32 and 128 ohms respectively. The operating frequency range is either 30Hz to 10kHz, or 10kHz to 500kHz, selected by the FREQUENCY RANGE switch.

Input and output connections are made to multi-purpose binding posts on the front panel and on the rear of the chassis, with separate chassis/grounding terminals on the front panel to provide for either floating or chassis/ground operation.

SPECIFICATIONS

The Model MT56R can only be used with the model 7500 Wideband Power Amplifier.

Frequency Range: 30Hz to 500kHz in two ranges; 30Hz to 10kHz and 10kHz to 500kHz.

Power Level: 75W with 7500 (slightly less at ends of range).

Power Output Vs. Frequency: See curves for typical outputs into matched loads with nominal 75W input from Model 7500 Amplifier.

Harmonic Distortion (rms): See curves for typical distortion with matched resistive loads at constant inputs to 7500 Amplifiers.

Matched Loads: 200 ohm input, Model 7500, 2, 8, 32 and 128 ohms.

Controls: LOAD IMPEDANCE switch, FREQUENCY RANGE switch.

Terminals:

Front Panel: multi-purpose binding posts with separate chassis/ground terminals.

Rear Panel: INPUT BNC, multi-purpose binding posts for output.

Dimensions and Weights: 3.5" (8.9cm) high, 19" (48.2cm) wide, 6.5" (16.5cm) deep; 21 lbs (9.5kg) net; 25 lbs (11.3kg) shipping.

Accessories: Operating Manual.

OPTIONS

Extended 1 Year Warranty: Part No. EW56R.

OPTIONAL ACCESSORIES

CAB-005: Cable, Two Conductor Shielded Balance Line

CAB-018: Cable, Multi-stacking Double Banana plug

CAB-023: Cable Set, Low Thermal EMF Retractable Banana

CAB-024: Cable Set, Low Thermal EMF Spade Lug

CAB-025: Cable, BNC, 3ft, Low Noise

Specifications subject to change without