



ELECTRONIC TUBE REFERENCE

ES85

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Power triode intended principally for audio-frequency output or modulator service. Manufacturer operating data emphasize Class A, AB, or B power amplification and useful audio output rather than continuous RF transmitting duty.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 3.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	3450 Ω
TRANSCONDUCTANCE	0.0037 S
AMPLIFICATION FACTOR	12.7
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	85 W

Directly heated thoriated-tungsten radiation-cooled triode for Class B amplifier/modulator and Class C amplifier or oscillator service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 AEI Industrial Valves

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1961 AEI INDUSTRIAL VALVES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumAudioOutputTwoValves	310 W	ClassB;PushPull;TwoTubes

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DistortionAtMaximumOutput	3 %	—
Anode Grid Capacitance	13 pF	—
GridFilamentCapacitance	65 pF	—



SOURCE OPERATING CONDITIONS

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1961 Associated Electrical Industries

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1961 ASSOCIATED ELECTRICAL INDUSTRIES

Section 1 · Triode

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TUBE TINKER

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