



ELECTRONIC TUBE REFERENCE

V1505

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Radiation-cooled directly heated thoriated-filament power triode for amplifier or oscillator operation at lower radio frequencies. Moderate plate dissipation and multi-kilovolt capability provide useful transmitting power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	14 V / 6.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	2000 Ω
TRANSCONDUCTANCE	0.008 S
AMPLIFICATION FACTOR	16
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM PLATE DISSIPATION	275 W

Directly heated thoriated-filament radiation-cooled triode for power-amplifier or oscillator operation to 1.5 MHz.



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
Maximum filament emission	4 A	—
Maximum operating frequency	1.5 MHz	FullRating
Audio power output	800 W	TwoTubes

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	18 pF	—
Anode-filament capacitance	9 pF	—
Grid-filament capacitance	14 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Associated Electrical Industries

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

1961 ASSOCIATED ELECTRICAL INDUSTRIES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum filament emission	4 A	—
Maximum operating frequency	1.5 MHz	FullRating
Audio power output	800 W	TwoTubes

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	18 pF	—
Anode-filament capacitance	9 pF	—
Grid-filament capacitance	14 pF	—