



ELECTRONIC TUBE REFERENCE

ES1102

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-mu AEI power triode for high-current Class AB push-pull service. A pair is specified for approximately 300 W output, with 100 W plate dissipation per valve.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 2.7 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	1410 Ω
TRANSCONDUCTANCE	0.0039 S
AMPLIFICATION FACTOR	3.5
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	100 W
MAXIMUM CATHODE CURRENT	250 mA

Directly heated radiation-cooled power triode for Class AB1 or AB2 push-pull amplifiers, rated for up to 300 W output per pair.



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Grid Capacitance	15.7 pF	—
AnodeFilamentCapacitance	10.8 pF	—
GridFilamentCapacitance	15.8 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Power Output	300 W	ClassAB2;PushPull;TwoTubes



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Grid Capacitance	15.7 pF	—
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GridFilamentCapacitance	15.8 pF	—

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