



ELECTRONIC TUBE REFERENCE

ES833

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

AEI transmitting triode for RF power amplification, oscillator, and Class B modulator service. Forced-air operation permits roughly 400 W dissipation and 4 kV plate voltage at frequencies to 30 MHz.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM PLATE DISSIPATION	300 W

High-mu radiation-cooled triode for R.F. power amplifier, oscillator, or Class B modulator service, operable at full input rating to 30 Mc/s with forced-air cooling.



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
MaximumOperatingFrequencyFullRating	30 MHz	—
ForcedAirMaximumAnodeVoltage	4000 V	ForcedAir
ForcedAirMaximumAnodeDissipation	400 W	ForcedAir

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Grid Capacitance	6.3 pF	—
AnodeFilamentCapacitance	8.5 pF	—
GridFilamentCapacitance	12.3 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
MaximumOperatingFrequencyFullRating	30 MHz	—
ForcedAirMaximumAnodeVoltage	4000 V	ForcedAir
ForcedAirMaximumAnodeDissipation	400 W	ForcedAir

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Grid Capacitance	6.3 pF	—
AnodeFilamentCapacitance	8.5 pF	—
GridFilamentCapacitance	12.3 pF	—

TUBE TINKER

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