



ELECTRONIC TUBE REFERENCE

5736

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Thoriated-tungsten transmitting triode for modulator, amplifier, oscillator, and wide-band television RF service. Rated for 2.5 kW plate dissipation, with published Class C operation producing about 4.1 kW RF output to roughly 60 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 60 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	22
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	2500 W
Published ratings and characteristics promoted where applicable; remaining useful published values retained as parameters.	

Thoriated-tungsten power triode for modulator, amplifier, oscillator, and wide-band television RF service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Amperex Industrial

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

1958 AMPEREX INDUSTRIAL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	5000 V	RFPowerAmplifier
Plate current	1 A	RFPowerAmplifier
Power output	4100 W	RFPowerAmplifier
Control-grid voltage	-850 V	RFPowerAmplifier
Grid current	210 mA	RFPowerAmplifier
Maximum frequency at full input	60 MHz	RFPowerAmplifier
Maximum plate dissipation	2500 W	RFPowerAmplifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	22	RFPowerAmplifier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	14.5 pF	Section1
Grid-to-filament capacitance	17.5 pF	Section1
Plate-to-filament capacitance	0.5 pF	Section1



195X Central Electronics

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

195X CENTRAL ELECTRONICS

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	6 V	—
Amplification factor	22	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	5000 V	—
Maximum plate/anode dissipation	2500 W	—