



ELECTRONIC TUBE REFERENCE

572B

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-mu graphite-anode power triode for Class AB, B, and C audio and RF amplification. Its 160 W plate dissipation and high amplification factor particularly suit grounded-grid linear RF and substantial audio-power service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	6.3 V / 4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	170
MAXIMUM PLATE VOLTAGE	2750 V
MAXIMUM PLATE DISSIPATION	160 W
MAXIMUM GRID DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	275 mA
Section values promoted from published characteristics and maximum ratings.	

High-mu graphite-anode power triode for Class AB, B and C RF and audio amplifiers, with 160 W plate dissipation and transmitting service capability.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

199X Svetlana

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

199X SVETLANA

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
the	811 A	SourcePage1-2
Voltage (AC or DC)	6.3 V	SourcePage1-2
Current	4 A	SourcePage1-2
Grid to plate	6 pF	SourcePage1-2
Grid to filament	5.9 pF	SourcePage1-2
Plate to filament	0.8 pF	SourcePage1-2
Maximum frequency for full ratings	30 MHz	SourcePage1-2

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC plate voltage	2750 V	SourcePage1-2
Plate dissipation	160 W	SourcePage1-2
DC Plate input	600 W	SourcePage1-2
DC Grid current	50 mA	SourcePage1-2
(frequencies to	30 MHz	TypicalOperation
DC plate voltage	2400 V	TypicalOperation
DC grid voltage	-2 V	TypicalOperation
Zero-signal DC plate current	45 mA	TypicalOperation
Single-tone DC plate current	250 mA	TypicalOperation
Driving power	50 W	TypicalOperation
Single-tone useful output power	300 W	TypicalOperation