

ELECTRONIC TUBE REFERENCE

FP146

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Thoriated-tungsten plotron designed for Class B audio-frequency and RF power-amplifier service. It combines high amplification factor around 78 with 125 W plate dissipation and approximately 125 W published Class B output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 3.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	20000 Ω
TRANSCONDUCTANCE	0.0039 S
AMPLIFICATION FACTOR	78
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	125 W
MAXIMUM CATHODE CURRENT	160 mA
Page 1 ratings/characteristics visually verified.	

The FP146 is a three-electrode thoriated-tungsten plotron for Class B audio-frequency and radio-frequency power-amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-to-Grid Capacitance	9.2 pF	—
Grid-to-Filament Capacitance	7.2 pF	—
Plate-to-Filament Capacitance	3.9 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	1250 V	ClassB Audio
Plate Current Maximum Signal	160 mA	ClassB Audio
Plate Input Maximum Signal	200 W	ClassB Audio
Power Output Maximum Signal	125 W	ClassB Audio