



ELECTRONIC TUBE REFERENCE

3X3000F1

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Eimac low-mu forced-air-cooled power triode for audio amplifier and modulator service. With about 3 kW plate dissipation and 6 kV capability, a pair can deliver approximately 10 kW maximum-signal audio output without grid current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 51 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.011 S
AMPLIFICATION FACTOR	5
MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM PLATE DISSIPATION	3000 W
MAXIMUM GRID DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	2.5 A
Highest applicable published rating promoted; service-specific CW, RF, audio, industrial, and pulse limits retained as parameter rows.	

The Eimac 3X3000F1 is a low-mu forced-air-cooled power triode intended for audio amplifier or modulator service; a pair can deliver up to 10 kW maximum-signal plate output at 6000 plate volts without grid current.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Eimac

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

1962 EIMAC

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Current	2.5 A	Class-AB maximum
Typical Maximum-Signal Plate Output Power	10000 W	Class-AB, two tubes, 6000 V plate

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Plate Capacitance	17 pF	Average
Grid-Filament Capacitance	29 pF	Average
Plate-Filament Capacitance	2.5 pF	Average



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Eimac Tube Manual

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

1965 EIMAC TUBE MANUAL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Plate Capacitance	17 pF	—
Grid-Filament Capacitance	29 pF	—
Plate-Filament Capacitance	2.5 pF	—
Transconductance	0.011 A/V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Maximum	30 MHz	—
Typical Two-Tube AF Output Power	10000 W	—

TUBE TINKER

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