



ELECTRONIC TUBE REFERENCE

8238

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Eimac rugged ceramic-envelope low-mu forced-air-cooled power triode designed primarily for high-power audio amplification and modulation. Approximately 3 kW plate dissipation and 6 kV capability support substantial transmitter modulator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 51.5 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	5.6
MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM PLATE DISSIPATION	3000 W
MAXIMUM GRID DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	3 A
<i>Promoted from printed general-characteristics and maximum-ratings blocks.</i>	

The Eimac 8238/3CX3000A1 is a rugged ceramic-envelope low-mu forced-air-cooled power triode intended primarily for high-power audio-amplifier and modulator service.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	5.6	—
Transconductance	11000 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC plate voltage	6000 V	—
Maximum plate dissipation	3000 W	—
Representative maximum-signal plate current	3 A	—



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	—
Frequency Maximum	30 MHz	—

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

TUBE TINKER

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