



ELECTRONIC TUBE REFERENCE

8078

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-power triode designed for pulse-modulator service, with manufacturer ratings centered on short-duration high-voltage, high-current pulses rather than continuous RF or audio operation. Its intended role is switching or modulating pulsed power in professional equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 32.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	21
MAXIMUM PLATE DISSIPATION	500 W
<i>Radiation-cooled transmitting triode for industrial RF oscillator and amplifier service.</i>	

Radiation-cooled transmitting triode for industrial RF oscillator and amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	6000 V	RFPower
Plate current	700 mA	RFPower
Power output	3200 W	RFPower
Grid voltage	-1250 V	RFPower
Grid current	170 mA	RFPower
Maximum frequency	50 MHz	RFPower

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	51 pF	—
Input capacitance	9.2 pF	—
Output capacitance	0.2 pF	—

TUBE TINKER

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and their source documents.

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