

ELECTRONIC TUBE REFERENCE

6618

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled triode for high-power RF amplifier and oscillator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8 V / 98 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	34
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	15000 W
Forced-air-cooled triode for high-power RF amplifier and oscillator service.	

Forced-air-cooled triode for high-power RF amplifier and oscillator 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	12000 V	RFPower
Plate current	4.5 A	RFPower
Power output	39000 W	RFPower
Grid voltage	-1000 V	RFPower
Grid current	800 mA	RFPower
Maximum frequency	30 MHz	FullInput

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate capacitance	30 pF	—
Grid-filament capacitance	37 pF	—
Plate-filament capacitance	0.5 pF	—

TUBE TINKER

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and their source documents.

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