



ELECTRONIC TUBE REFERENCE

5671

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

High-power cooled triode with transmitting and industrial ratings for substantial RF power service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	11 V / 285 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	40
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM PLATE DISSIPATION	25000 W
MAXIMUM CATHODE CURRENT	50 A
<i>forced-air-cooled power triode</i>	

The 5671 is a high-power cooled triode. The supplied datasheet was processed for heater or filament data, maximum ratings, operating characteristics, capacitances, cooling/service conditions, and power-output data. Condition-specific transmitting ratings are retained in the section-parameter table.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Voltage	15000 V	Forced-air-cooled power triode
Plate Dissipation	25 kW	Forced-air-cooled power triode
Typical DC Plate Voltage	15000 V	Forced-air-cooled power triode
Maximum-Signal Power Output	100 kW	Forced-air-cooled power triode
Peak Cathode Current	50 A	Forced-air-cooled power triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	40	Forced-air-cooled power triode
Grid-to-Plate Capacitance	50 pF	Forced-air-cooled power triode
Grid-to-Filament Capacitance	90 pF	Forced-air-cooled power triode
Plate-to-Filament Capacitance	1.5 pF	Forced-air-cooled power triode