



ELECTRONIC TUBE REFERENCE

8269

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled directly heated industrial transmitting triode designed primarily for RF-heating generators. Approximately 6 kW plate dissipation and 8 kV plate capability provide substantial dielectric and induction-heating power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 33 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.012 S
AMPLIFICATION FACTOR	24
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM PLATE DISSIPATION	6000 W
MAXIMUM CATHODE CURRENT	1.8 A
Promoted ratings and characteristics mapped from source tables.	

Forced-air-cooled directly heated industrial transmitting triode intended for RF-heating generators.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · Triode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate To Grid Capacitance	7.9 pF	Published direct interelectrode capacitance
Grid To Filament Capacitance	14.2 pF	Published direct interelectrode capacitance



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	7200 V	RFHeatingGenerator
Plate current	1.5 A	RFHeatingGenerator
Power output	7500 W	RFHeatingGenerator
Control-grid voltage	-1250 V	RFHeatingGenerator
Grid current	360 mA	RFHeatingGenerator
Maximum frequency at full input	50 MHz	RFHeatingGenerator

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	7.9 pF	Section1

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-filament capacitance	14.2 pF	Section1
Plate-to-filament capacitance	1 pF	Section1

TUBE TINKER

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