



ELECTRONIC TUBE REFERENCE

846

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Water-cooled high-power transmitting triode for RF power-amplifier and oscillator service. Approximately 2.5 kW plate dissipation and multi-kilovolt capability provide substantial communications and broadcast transmitter power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	11 V / 51 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0028 S
AMPLIFICATION FACTOR	40
MAXIMUM PLATE VOLTAGE	7500 V
MAXIMUM PLATE DISSIPATION	2500 W
MAXIMUM CATHODE CURRENT	500 mA
<i>Promoted ratings and characteristics mapped from source tables.</i>	

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

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
Grid To Plate Capacitance	9 pF	Published direct interelectrode capacitance
Grid To Filament Capacitance	6.5 pF	Published direct interelectrode capacitance