



ELECTRONIC TUBE REFERENCE

HF175

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Radiation-cooled Amperex transmitting triode for RF amplifier, oscillator, audio power-amplifier, and modulator applications. Rated for approximately 125 W plate dissipation and 2 kV plate voltage, with amplification factor around 18.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	10 V / 4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.004 S
AMPLIFICATION FACTOR	18
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	125 W
Published general characteristics and maximum ratings promoted.	

Amperex power triode for RF power amplifier/oscillator service and audio-frequency power amplifier or modulator applications.

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	6.3 pF	Direct interelectrode capacitance
Grid-to-filament capacitance	4.8 pF	Direct interelectrode capacitance
Plate-to-filament capacitance	2.7 pF	Direct interelectrode capacitance
Filament voltage	10 V	—
Filament current	4 A	—

TUBE TINKER

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