

ELECTRONIC TUBE REFERENCE

HF200

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Radiation-cooled Amperex power triode for RF amplification, oscillation, and Class B audio or modulator service. Rated for approximately 200 W plate dissipation, with published RF operation producing about 300 W output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10.5 V / 4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.005 S
AMPLIFICATION FACTOR	18
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	200 W
Published general characteristics and maximum ratings promoted.	

HF200 is a Triode device in the supplied Amperex literature. Radiation-cooled triode for RF power-amplifier, oscillator, and Class-B audio amplifier/modulator 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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	6.9 pF	Direct interelectrode capacitance
Grid-to-filament capacitance	6.2 pF	Direct interelectrode capacitance
Plate-to-filament capacitance	1.2 pF	Direct interelectrode capacitance
Filament voltage	10.5 V	—
Filament current	4 A	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Amperex Industrial

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

1958 AMPEREX INDUSTRIAL

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	18	—
Grid-to-plate capacitance	6.9 pF	—
Grid-to-filament capacitance	6.2 pF	—
Plate-to-filament capacitance	1.2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	200 W	—
Plate voltage	2500 V	RF ClassC
Plate current	200 mA	RF ClassC
Power output	380 W	RF ClassC
Grid voltage	-300 V	RF ClassC
Grid current	20 mA	RF ClassC
Maximum frequency	30 MHz	—



SOURCE DATA APPENDIX

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	2000 V	RF Amplifier Or Oscillator
Plate current	200 mA	RF Amplifier Or Oscillator
RF output power	300 W	RF Amplifier Or Oscillator
Grid voltage	-250 V	RF Amplifier Or Oscillator
Grid current	23 mA	RF Amplifier Or Oscillator
Maximum frequency at full input rating	30 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	6.9 pF	—
Grid-to-filament capacitance	6.2 pF	—
Plate-to-filament capacitance	1.2 pF	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker