



ELECTRONIC TUBE REFERENCE

HF130

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Radiation-cooled Amperex transmitting triode for RF amplification, oscillation, audio power amplification, and modulation. Rated for approximately 125 W plate dissipation and 1.25 kV plate operation, with amplification factor around 12.5.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	10.25 V / 3.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0043 S
AMPLIFICATION FACTOR	12.5
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	125 W
Radiation-cooled transmitting triode for RF/AF power service.	

The Amperex HF130 is a radiation-cooled transmitting triode intended for RF power amplifier/oscillator and AF power 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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	10.25 V	Published datasheet value
Heater/Filament Current	3.25 A	Published datasheet value
Maximum Plate/Anode Voltage	1250 V	Published datasheet value
Maximum Plate/Anode Dissipation	125 W	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	4300 μS	Published datasheet value
Amplification Factor	12.5	Published datasheet value

TUBE TINKER

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