



ELECTRONIC TUBE REFERENCE

211C

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Transmitting power triode of the 211 family, intended principally for RF amplifier and oscillator service while also supporting modulation or audio power applications. Its ratings reflect high-voltage, substantial-power operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	10 V / 3.25 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	2800 Ω
TRANSCONDUCTANCE	0.0045 S
AMPLIFICATION FACTOR	12.5
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	125 W
MAXIMUM CATHODE CURRENT	175 mA
Maximum ratings and characteristic constants promoted where reliably published in the approved sheet.	

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](#)

193X Taylor Transmitting

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

193X TAYLOR TRANSMITTING

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	10 V	Nominal published value
Filament Current	3.85 A	Nominal published value
Maximum Operating Plate Voltage	1500 V	Class C oscillator / RF power-amplifier service where published
Maximum Plate Dissipation	100 W	Published maximum rating
Plate to Grid, mmf	9 pF	Published direct interelectrode capacitance
Grid to Filament, mmf	6 pF	Published direct interelectrode capacitance
Plate to Filament	4 pF	Published direct interelectrode capacitance

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	2800 ohm	Published general characteristic
Mutual Conductance	4500 μS	Published general characteristic
Amplification Factor	12.5	Published general characteristic



SOURCE OPERATING CONDITIONS

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1940 Taylor Tubes

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

1940 TAYLOR TUBES

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-to-grid capacitance	9 pF	—
Plate-to-filament capacitance	8.5 pF	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1945 United Electronics

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

1945 UNITED ELECTRONICS

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	10 V	—
Filament current	3.25 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct plate voltage	1250 V	—
Maximum plate dissipation	125 W	—
Maximum direct plate current	175 mA	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1953 Amperex

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

1953 AMPEREX

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 μ S	Published datasheet value
Amplification Factor	12.5	Published datasheet value

TUBE TINKER

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