



ELECTRONIC TUBE REFERENCE

211D

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Filamentary transmitting triode intended for radio-frequency amplification and oscillation, with power-service operating data characteristic of the 211 family. It is a high-voltage power device rather than a receiving triode.

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	3500 Ω
TRANSCONDUCTANCE	0.0045 S
AMPLIFICATION FACTOR	12
MAXIMUM PLATE VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	100 W
<i>Promoted fields mapped from published ratings/characteristics; additional published values preserved in parameter table.</i>	

The Amperex HF140 is a radiation-cooled transmitting triode intended for RF power amplifier/oscillator and AF power amplifier/modulator service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	14 pF	—
Grid-to-filament capacitance	7 pF	—
Plate-to-filament capacitance	6 pF	—



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 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	100 W	Published datasheet value

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	4500 μ S	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	12	Published datasheet value



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

2026 Western Electric 200s

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

2026 WESTERN ELECTRIC 200S

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Normal filament current	3 amperes	Normal filament current 3 amperes
Normal filament voltage	10 volt	Normal filament voltage 10 volts
Normal plate current for plate voltage	750 volt	Normal plate current for plate voltage 750 volts and grid voltage—30 volts. . .65 milliamperes
Normal plate voltage	750 volt	Normal plate voltage 750 to 1000 volts
Normal grid voltage	-30 volt	Normal grid voltage —30 to —60 volts
Output as unmodulated oscillator	50 watts	Output as unmodulated oscillator 50 watts
and should not exceed	10 volts	and should not exceed 10 volts, since an increase of 10% in the voltage may shorten the life by

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum safe continuous dissipation by plate	65 watts	Maximum safe continuous dissipation by plate 65 watts
Maximum safe intermittent dissipation by plate	100 watts	Maximum safe intermittent dissipation by plate 100 watts