



ELECTRONIC TUBE REFERENCE

270A

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Western Electric thoriated-tungsten transmitting triode for Class-B RF service, with approximately 175 W catalog RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	10 V / 9.75 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2800 Ω
TRANSCONDUCTANCE	0.0057 S
AMPLIFICATION FACTOR	16
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM PLATE DISSIPATION	350 W
MAXIMUM CATHODE CURRENT	375 mA
<i>Absolute maximum ratings and average static characteristics promoted from the exact transmitting-tube row.</i>	

Western Electric transmitting triode with a thoriated-tungsten filament, rated for B-RF service and a catalog power output of 175 W.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 Western Electric Tubes

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

1956 WESTERN ELECTRIC TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	10 V	—
Filament Current	9.75 A	—
Maximum Plate Voltage	3000 V	—
Maximum Plate Current	375 mA	—
Maximum Plate Dissipation	350 W	—
Maximum Frequency	7.5 MHz	—
Plate Voltage	2500 V	B-RF
Plate Current	120 mA	B-RF
Power Output	175 W	B-RF

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor	16	B-RF
Transconductance	5700 μ S	B-RF



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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate To Grid Capacitance	21 pF	—
Grid To Filament Capacitance	18 pF	—
Plate To Filament Capacitance	2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumDirectGridCurrent	75 mA	—
MaximumFrequencyAtFullRatings	7.5 MHz	—

TUBE TINKER

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