



ELECTRONIC TUBE REFERENCE

350B

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power output tube intended for substantial audio-frequency power amplification and general power service, with ratings suited to professional or receiver applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 1.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	37500 Ω
TRANSCONDUCTANCE	0.0083 S
MAXIMUM PLATE VOLTAGE	360 V
MAXIMUM SCREEN VOLTAGE	270 V
MAXIMUM PLATE DISSIPATION	27 W
MAXIMUM SCREEN DISSIPATION	4 W
MAXIMUM CATHODE CURRENT	125 mA
<i>Maximum ratings from design-center table; representative Class A1 characteristics at 250 V plate/screen.</i>	

The Western Electric 350B is a heater-cathode beam tetrode with 25 W maximum plate dissipation and about 20 W published power output.



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 · Beam Power

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	400 V	—
Typical Plate Current	53 mA	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Power Output	20 W	ClassA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 300s

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

2026 WESTERN ELECTRIC 300S

Section 1 · Beam Power

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to plate maximum	0.5 pF	—
Input capacitance	16 pF	—
Output capacitance	8 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical plate current	93 mA	ClassA;PlateVoltage=250V;ScreenGridVoltage=250V;ControlGridVoltage=-14V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum signal power output	10.5 W	ClassA;PlateVoltage=250V;ScreenGridVoltage=250V
Maximum grid circuit resistance fixed bias	0.1 Mohm	—