



ELECTRONIC TUBE REFERENCE

375A

Power - Beam Single (NOT sweep) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Western Electric heater-cathode beam-power pentode designed for audio-frequency amplification at low plate voltages, particularly circuits operating from plate supplies as low as 48 volts.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	6
NOMINAL HEATER	20 V / 320 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	9300 Ω
TRANSCONDUCTANCE	0.0048 S
MAXIMUM PLATE VOLTAGE	130 V
MAXIMUM SCREEN VOLTAGE	130 V
MAXIMUM PLATE DISSIPATION	6 W
MAXIMUM SCREEN DISSIPATION	1.3 W
<i>Representative characteristics use the 45 V plate/screen point highlighted on the first page; alternate operating points are preserved as parameters.</i>	

The 375A is a heater-cathode beam-power pentode designed for audio-frequency amplification at plate voltages up to 130 V, particularly where only a 48 V plate supply is available.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridPlateCapacitance	1 pF	—
Input Capacitance	13.5 pF	—
Output Capacitance	8.5 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Signal Plate Current	50 mA	Maximum rating
Plate Resistance	7800 ohm	Plate=80 V
Plate Resistance	8000 ohm	Plate=120 V
Transconductance	6600 uS	Plate=80 V
Transconductance	6200 uS	Plate=120 V
Maximum Signal Power Output	0.25 W	Plate=45 V
Maximum Signal Power Output	1.4 W	Plate=80 V
Maximum Signal Power Output	2.5 W	Plate=120 V