



ELECTRONIC TUBE REFERENCE

8001

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power transmitting tube designed for RF power-amplifier service, with ratings and operating conditions suited to communications and industrial transmitters.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	5 V / 7.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.0028 S
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM SCREEN VOLTAGE	750 V
MAXIMUM PLATE DISSIPATION	75 W
<i>Beam-power transmitting section.</i>	

The RCA 8001 is a thoriated-tungsten beam power transmitting tube for AF/RF amplification and oscillation, with plate ratings up to 4 kV.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Beam Power

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Full-Input Frequency	75 MHz	—
Maximum Reduced-Input Frequency	150 MHz	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Screen Voltage	750 V	—

TUBE TINKER

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