

ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA

1614

1 SECTION
CONSTRUCTION
BEAMPOWER

Power - Beam (NOT sweep) electronic tube

Beam-power transmitting tube for audio- and radio-frequency power service, including communications and emergency broadcast applications, with substantial Class-C output capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 900 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.00606 S
MAXIMUM PLATE VOLTAGE	450 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	21 W
MAXIMUM SCREEN DISSIPATION	3.5 W
Published Class C telegraphy point: 450 V plate, 250 V screen, 100 mA plate current, 31 W output.	

The RCA 1614 is a beam power transmitting tube for af/rf service. The supplied source provides transmitting, RF, or rectifier ratings appropriate to this device.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate/Inverse Voltage	375 V	Source rating
Maximum Plate Dissipation	21 W	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	450 V	ClassC;Telegraphy
Screen supply	250 V	ClassC;Telegraphy
Grid bias	-45 V	ClassC;Telegraphy
Screen current	8 mA	ClassC;Telegraphy
Plate current	100 mA	ClassC;Telegraphy
Power output	31 W	ClassC;Telegraphy