



ELECTRONIC TUBE REFERENCE

6883

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power transmitting tube for RF power amplification, oscillation, frequency multiplication, AF power amplification, and modulation in mobile and fixed equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	12.6 V / 625 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.007 S
AMPLIFICATION FACTOR	4.5
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM SCREEN DISSIPATION	3 W
<i>RF/AF beam power section.</i>	

Beam-power tube for RF power amplifier, oscillator, frequency multiplier, AF power amplifier or modulator service in mobile and fixed equipment.



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	60 MHz	—
Maximum Reduced-Input Frequency	175 MHz	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Beam Power

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation CCS	20 W	CCS
Maximum plate dissipation ICAS	25 W	ICAS
Plate voltage	600 V	CCS ClassC
Plate current	112 mA	CCS ClassC
Power output	52 W	CCS ClassC
Grid voltage	-58 V	CCS ClassC
Grid current	2.8 mA	CCS ClassC
Screen voltage	150 V	CCS ClassC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	750 V	ICAS ClassC
Plate current	120 mA	ICAS ClassC
Power output	70 W	ICAS ClassC
Grid voltage	-62 V	ICAS ClassC
Grid current	3.1 mA	ICAS ClassC
Screen voltage	160 V	ICAS ClassC

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency	60 MHz	FullInput
Grid-to-plate capacitance	0.22 pF	—
Input capacitance	13.5 pF	—
Output capacitance	8.5 pF	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker