

ELECTRONIC TUBE REFERENCE

4651

Power - Beam (NOT sweep) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Beam-power transmitting tube documented with condition-specific RF power, operating, cooling, and output ratings for professional transmitter service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5.5 V / 17.3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
MAXIMUM PLATE VOLTAGE	3500 V
MAXIMUM SCREEN VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	1500 W
MAXIMUM SCREEN DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	1.25 A
ruggedized Cermolox beam-power tube	

The 4651 is a beam-power transmitting tube. The supplied datasheet was processed for heater or filament data, maximum ratings, operating characteristics, capacitances, cooling/service conditions, and power-output data. Condition-specific transmitting ratings are retained in the section-parameter table.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Voltage	3500 V	CCS; transmitting service
Maximum DC Screen Voltage	1000 V	CCS; transmitting service
Maximum DC Plate Current	1.25 A	CCS; transmitting service
Plate Dissipation	1500 W	CCS; transmitting service
Screen Input	50 W	CCS; transmitting service
Typical DC Plate Voltage	2600 V	CCS; transmitting service
Typical DC Screen Voltage	550 V	CCS; transmitting service
Typical DC Plate Current	900 mA	CCS; transmitting service
Useful Power Output	1160 W	CCS; transmitting service

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mu Factor, Grid No.1 to Grid No.2	7	CCS; transmitting service

TUBE TINKER

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and their source documents.

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