



ELECTRONIC TUBE REFERENCE

7214

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

High-power beam-power transmitting tube with published service-specific frequency, power, operating, and cooling ratings for professional RF equipment.

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	5000 V
MAXIMUM SCREEN VOLTAGE	1200 V
MAXIMUM PLATE DISSIPATION	1500 W
<i>Published ratings/characteristics promoted from supplied datasheet.</i>	

The 7214 is a beam-power transmitting tube. The supplied datasheet was processed for heater or filament data, maximum ratings, operating characteristics, capacitances where published, and service-specific power or frequency data.

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	5000 V	Pulsed RF amplifier
Maximum DC Screen Voltage	1200 V	Pulsed RF amplifier
Maximum DC Plate Current During Pulse	18 A	Pulsed RF amplifier
Average Plate Dissipation	1500 W	Pulsed RF amplifier
Typical DC Plate Voltage	4500 V	Pulsed RF amplifier
Typical Peak Power Output	120 kW	Pulsed RF amplifier
Peak Positive-Pulse Plate Voltage	10000 V	Pulsed RF amplifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mu Factor, Screen to Control Grid	19	Pulsed RF amplifier
Grid-No.1 to Plate Capacitance	0.17 pF	Pulsed RF amplifier