



ELECTRONIC TUBE REFERENCE

4PR125A

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Pulse-power tetrode intended for high-voltage modulator and switching applications, with ratings optimized for short high-current pulses and modest average dissipation.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.00245 S
AMPLIFICATION FACTOR	5.9
MAXIMUM PLATE VOLTAGE	18000 V
MAXIMUM SCREEN VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	125 W
MAXIMUM SCREEN DISSIPATION	20 W
MAXIMUM GRID DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	2.5 A

The Eimac 8247/4PR125A is a high-vacuum radial-beam pulse tetrode for pulse-modulator, pulsed-amplifier and pulsed-oscillator service.



SOURCE OPERATING CONDITIONS

1962 Eimac

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

1962 EIMAC

Section 1 · Beam Power

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Plate Current	1.5 A	PulseModulator

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Highest Frequency for Maximum Ratings	120 MHz	—

TUBE TINKER

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