



ELECTRONIC TUBE REFERENCE

4PR1000A

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

High-voltage pulse tetrode designed for powerful pulse-modulator service, emphasizing very large short-duration plate current and output power rather than continuous-wave dissipation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 14.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
AMPLIFICATION FACTOR	69
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM SCREEN VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	1000 W
MAXIMUM SCREEN DISSIPATION	35 W
MAXIMUM GRID DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	8 A
<i>Promoted from printed general-characteristics and maximum-ratings blocks.</i>	

The EIMAC 4PR1000A is a radial-beam pulse tetrode for high-power pulsed 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	69	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC plate voltage	20000 V	—
Maximum DC screen voltage	1000 V	—
Maximum plate dissipation	1000 W	—
Maximum screen dissipation	35 W	—
Maximum grid dissipation	10 W	—
Maximum cathode/plate current	8 A	—