



ELECTRONIC TUBE REFERENCE

8187

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Radial-beam pulse tetrode designed for pulse-modulator, pulsed-amplifier, and pulsed-oscillator service in high-power electronic systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 2.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM SCREEN VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	65 W
MAXIMUM SCREEN DISSIPATION	12 W
MAXIMUM GRID DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	200 mA
<i>Promoted from printed general-characteristics and maximum-ratings blocks.</i>	

The EIMAC 8187 is a radial-beam pulse tetrode for pulse modulator, amplifier and oscillator service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Eimac

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

1962 EIMAC

Section 1 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	60	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC plate voltage	15000 V	—
Maximum DC screen voltage	500 V	—
Maximum plate dissipation	65 W	—
Maximum screen dissipation	12 W	—
Maximum grid dissipation	2 W	—
Maximum cathode/plate current	200 mA	—