ELECTRONIC TUBE REFERENCE

8188

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Radial-beam pulse tetrode designed for high-voltage pulsed service in demanding pulse-power equipment.

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

SECTION1 Tetrode	
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM SCREEN VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	400 W
MAXIMUM SCREEN DISSIPATION	35 W
MAXIMUM GRID DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	3.5 A

Promoted from printed general-characteristics and maximum-ratings blocks.

The EIMAC 8188 is a radial-beam pulse tetrode for high-voltage pulsed service.

SOURCE OPERATING CONDITIONS

1962 Eimac

SOURCE PDF

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	20000 V	—
Maximum DC screen voltage	1000 V	—
Maximum plate dissipation	400 W	—
Maximum screen dissipation	35 W	—
Maximum grid dissipation	10 W	—
Maximum cathode/plate current	3.5 A	—

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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