



ELECTRONIC TUBE REFERENCE

4PR60A

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

High-vacuum pulse tetrode rated around 20 kV plate voltage and 18 A peak current, capable of approximately 300 kW pulse output for modulator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	26 V / 2.25 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM SCREEN VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	60 W
MAXIMUM SCREEN DISSIPATION	8 W
MAXIMUM GRID DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	18 A
<i>Promoted from printed maximum-rating and general-characteristics tables.</i>	

The EIMAC 4PR60A is a pulse tetrode for pulse-modulator 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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Plate (without shielding) - - - - - 0.3 puuf	0.3 pF	—
Output - - -« -« « -« - - - - - 9 puuf	9 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	20000 V	—
Maximum screen voltage	1500 V	—
Maximum plate dissipation	60 W	—
Maximum screen dissipation	8 W	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Eimac Tube Manual

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

1965 EIMAC TUBE MANUAL

Section 1 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	26 V	—
Heater Current	2.25 A	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Heating Time	180 s	—
Pulse Output Power	300 kW	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Voltage	20000 V	—
Maximum Peak Positive Plate Voltage	25000 V	—
Maximum DC Screen Voltage	1500 V	—
Maximum Peak Plate Current	18 A	—
Maximum Average Plate Dissipation	60 W	—
Maximum Average Screen Dissipation	8 W	—
Maximum Average Grid Dissipation	1 W	—