ELECTRONIC TUBE REFERENCE

4X150S

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Ruggedized compact RF power tetrode for demanding high-frequency amplification to approximately 500 MHz.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	26.5 V / 580 mA	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Tetrode	
AMPLIFICATION FACTOR	5
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	250 W
MAXIMUM SCREEN DISSIPATION	12 W
MAXIMUM GRID DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	250 mA

Promoted ratings mapped semantically from printed characteristics/maximum-ratings tables; remaining published electrical and operating-condition data retained densely in TUBE_SECTION_PARAMETER.

The Eimac 8297 is one of the 8296/4X150R and 8297/4X150S ruggedized radial-beam tetrodes for amplifiers, oscillators and frequency multipliers to 500 MHz.

SOURCE OPERATING CONDITIONS

1965 Eimac Tube Manual

SOURCE PDF

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

1965 EIMAC TUBE MANUAL

Section 1 · Tetrode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode-Heater Voltage Maximum	**150 V**	—
Frequency Full Rating Maximum	**150 MHz**	—
Useful Frequency Maximum	**500 MHz**	—
Typical RF Output Power	**250 W**	—
Ruggedized Construction	**1 boolean**	—