ELECTRONIC TUBE REFERENCE

8847

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Miniature rugged ceramic-metal planar triode for airborne and space CW or pulsed amplifier, oscillator, and frequency-multiplier service to approximately 3.5 GHz.

General characteristics

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

Section ratings

SECTION1 Triode	
TRANSCONDUCTANCE	0.038 S
AMPLIFICATION FACTOR	75
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM PLATE DISSIPATION	150 W
MAXIMUM GRID DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	7.5 A

Promoted values are taken from printed General Characteristics / Maximum Ratings. Additional published conditions and operating data are preserved in parameters.

The Eimac 8847 is a miniature rugged ceramic-metal planar triode for advanced airborne and space applications up to 3.5 GHz, suitable for CW and pulsed amplifier, oscillator, and frequency-multiplier 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 · Triode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Cathode Capacitance	**9.5 pF**	—
Plate-Cathode Capacitance	**0.06 pF**	—
Grid-Plate Capacitance	**1.4 pF**	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cutoff Bias Maximum	**-30 V**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency CW Maximum	**3 GHz**	—
Peak Pulse Plate Voltage	**4000 V**	—
Pulse Plate Current	**5 A**	—

TUBE TINKER

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

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