



ELECTRONIC TUBE REFERENCE

8755

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, frequency-multiplier, modulator, and regulator service.

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

SECTION 1 Triode	
TRANSCONDUCTANCE	0.038 S
AMPLIFICATION FACTOR	135
MAXIMUM PLATE VOLTAGE	10000 V
MAXIMUM PLATE DISSIPATION	150 W
MAXIMUM GRID DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	7.5 A
<i>Promoted values are taken from printed General Characteristics / Maximum Ratings. Additional published conditions and operating data are preserved in parameters.</i>	

The Eimac 8755 is a miniature rugged ceramic-metal planar triode for advanced airborne and space applications, usable as an amplifier, oscillator, frequency multiplier, modulator, or regulator in CW and pulsed 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 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Cathode Capacitance	9.5 pF	—
Plate-Cathode Capacitance	0.06 pF	—
Grid-Plate Capacitance	1.05 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cutoff Bias Maximum	-20 V	I _p =1mA; E _p =1kV

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Maximum	3 GHz	CW/Pulse
Peak Pulse Plate Voltage	10000 V	PlatePulsed
Pulse Plate Current	5 A	—
Pulse Duration	6 us	—
Duty Factor	0.0033	—

TUBE TINKER

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and their source documents.

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