



ELECTRONIC TUBE REFERENCE

8873

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Compact conduction-cooled ceramic-metal power triode for Class AB or Class C RF amplification. Rated for 200 W plate dissipation, with published Class AB2 operation producing approximately 587 W useful output at 30 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E11-81	BASE PINS	11
NOMINAL HEATER	6.3 V / 3 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.029 S
MAXIMUM PLATE VOLTAGE	2200 V
MAXIMUM PLATE DISSIPATION	200 W
MAXIMUM GRID DISSIPATION	5 W
<i>Promoted values are taken from printed General Characteristics / Maximum Ratings. Additional published conditions and operating data are preserved in parameters.</i>	

The Eimac 8873 is a compact external-anode ceramic-metal triode for class-AB or class-C radio-frequency amplifiers, using conduction cooling.

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
Input Capacitance	20.5 pF	CathodeGrounded
Output Capacitance	0.03 pF	CathodeGrounded
Grid-Plate Capacitance	6 pF	CathodeGrounded

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Maximum	500 MHz	—
Maximum DC Plate Current	350 mA	—
Typical Plate Voltage	2000 V	ClassAB2
Typical Useful Output Power	587 W	ClassAB2;Frequency=30MHz

TUBE TINKER

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and their source documents.

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