



ELECTRONIC TUBE REFERENCE

Z2835

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

General Electric high-mu ceramic-metal planar triode for RF oscillator and power-amplifier applications. High transconductance and compact planar construction provide useful gain from a small high-frequency power device.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	5450 Ω
TRANSCONDUCTANCE	0.0165 S
AMPLIFICATION FACTOR	90
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	5.5 W
MAXIMUM CATHODE CURRENT	30 mA

The Z-2835 is a high-mu triode of ceramic-and-metal planar construction. The tube is intended for radio-frequency oscillator and power-amplifier applications.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage AC or DC+ 6	310.3 V	Heater Characteristics and Ratings
Heater Current	400 mA	Heater Characteristics and Ratings
Grid to Plate (g to p)	1.4 pF	Heater Characteristics and Ratings
Grid to Cathode and Heater g to (h + k)	5.1 pF	Heater Characteristics and Ratings
Plate to Cathode and Heater p to (h + k)	0.03 pF	Heater Characteristics and Ratings
Heater to Cathode (h to k)	2.4 pF	Heater Characteristics and Ratings
Plate Voltage	330 V	MAXIMUM RATINGS
Positive DC Grid Voltage	0 V	MAXIMUM RATINGS
Negative DC Grid Voltage	50 V	MAXIMUM RATINGS
Plate Dissipation	5.5 W	MAXIMUM RATINGS
DC Grid Current	10 mA	MAXIMUM RATINGS
DC Cathode Current	30 mA	MAXIMUM RATINGS
Peak Cathode Current	120 mA	MAXIMUM RATINGS
Heater Positive with Respect to Cathode	50 V	MAXIMUM RATINGS
Heater Negative with Respect to Cathode	50 V	MAXIMUM RATINGS
With Fixed Bias	0.1 MOhm	MAXIMUM RATINGS
With Cathode Bias	0.18 MOhm	MAXIMUM RATINGS

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	200 V	Average Characteristics

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode Bias Resistor	68 0hm	Average Characteristics
Plate Resistance approximate	5450 0hm	Average Characteristics
Transconductance	16500 uS	Average Characteristics
Plate Current	17 mA	Average Characteristics
Ib 10 Microamperes	-5.5 V	Average Characteristics
Heater current of a bogey tube at Ef	6.3 V	Average Characteristics