

ELECTRONIC TUBE REFERENCE

Y1236

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Ceramic-metal planar triode for plate-pulsed oscillator service to approximately 4.3 GHz and continuous-wave oscillation at lower frequencies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 500 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2040 Ω
TRANSCONDUCTANCE	0.027 S
AMPLIFICATION FACTOR	55
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	30 W
MAXIMUM CATHODE CURRENT	120 mA

The Y-1236 is a triode of ceramic and metal planar construction intended for use as a plate-pulsed oscillator at frequencies up to 4300 megacycles. In addition, it may be used as a CW oscillator at frequencies up to 2500 megacycles. Features of the Y-1236 are small size and high plate dissipation capability.

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
frequencies up to	2500 MHz	—
Heater Voltage AC or DC+ 6 3	0.3 V	Heater Characteristics and Ratings
Heater Current	500 mA	Heater Characteristics and Ratings
Grid to Plate (g to p)	1.5 pF	Heater Characteristics and Ratings
Input g to (h+k)	5 pF	Heater Characteristics and Ratings
Output p to (h+k)	0.05 pF	Heater Characteristics and Ratings
Cathode Heating Time minimum	60 s	MAXIMUM RATINGS (Continued)
Peak Positive-Pulse Plate Supply Voltage	3000 V	MAXIMUM RATINGS (Continued)
Pulse Duration	2 us	MAXIMUM RATINGS (Continued)
Average	20 mA	MAXIMUM RATINGS (Continued)
Average During Plate Pulse	2 A	MAXIMUM RATINGS (Continued)
Average During Plate Pulse	100 V	MAXIMUM RATINGS (Continued)
Average	10 mA	MAXIMUM RATINGS (Continued)
Average During Plate Pulse	1 A	MAXIMUM RATINGS (Continued)
Plate Dissipationa	30 W	MAXIMUM RATINGS (Continued)
Heater Positive with Respect to Cathode	50 V	MAXIMUM RATINGS (Continued)
Heater Negative with Respect to Cathode	50 V	MAXIMUM RATINGS (Continued)
Plate Voltage	600 V	MAXIMUM RATINGS (Continued)
Plate Current	90 mA	MAXIMUM RATINGS (Continued)
Grid Current	30 mA	MAXIMUM RATINGS (Continued)
Cathode Current	120 mA	MAXIMUM RATINGS (Continued)

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate DissipationsA	30 W	MAXIMUM RATINGS (Continued)

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	200 V	Average Characteristics
Cathode-Bias Resistor	100 Ohm	Average Characteristics
Plate Resistance approximate	2040 Ohm	Average Characteristics
Transconductance	27000 uS	Average Characteristics
Plate Current	25 mA	Average Characteristics
Frequency	1200 MHz	Average Characteristics
Heater Voltage	6.3 V	Average Characteristics
Pulse Duration	1 us	Average Characteristics
Peak Positive-Pulse Plate Supply Voltage	2000 V	Average Characteristics
Frequency	2300 MHz	Average Characteristics
Plate Voltage	600 V	Average Characteristics
Plate Current	80 mA	Average Characteristics
Grid Current	25 mA	Average Characteristics
Power OOutput approximate	20 W	Average Characteristics
Heater current of a bogey tube at Ef	6.3 V	Average Characteristics
to a maximum of	25 A	Average Characteristics

TUBE TINKER

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