



ELECTRONIC TUBE REFERENCE

5971

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated subminiature triode for VHF amplification, oscillation, and frequency multiplication, designed for high-impact and severe mechanical service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5971	BASE PINS	—
NOMINAL HEATER	1.25 V / 80 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.00215 S
AMPLIFICATION FACTOR	23
MAXIMUM PLATE VOLTAGE	135 V
Directly heated medium-mu triode; Class A data and capacitances published.	

Directly heated subminiature triode for VHF amplification, oscillation and frequency multiplication, designed for high-impact service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Triode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	VHF_Amplifier_Oscillator_FrequencyMultiplier text	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	1.6 pF	—
Output Capacitance	1.7 pF	—
Grid-to-Plate Capacitance	2.3 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	135 V	ClassA
Grid Voltage	-2.5 V	ClassA
Plate Current	4 mA	ClassA

TUBE TINKER

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