



ELECTRONIC TUBE REFERENCE

6050

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated subminiature triode for high-frequency oscillation, Class C amplification, and frequency multiplication.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5677	BASE PINS	—
NOMINAL HEATER	1.25 V / 120 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	16
MAXIMUM PLATE VOLTAGE	135 V
<i>Directly heated high-frequency medium-mu triode.</i>	

Directly heated subminiature triode for high-frequency oscillation, Class C amplification and frequency multiplication.



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	HighFrequency_Oscillator_ClassC_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

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	1.3 pF	—
Output capacitance	3.4 pF	—
Grid-to-plate capacitance	1.4 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	135 V	ClassA
Control-grid bias	-5 V	ClassA
Plate current	4 mA	ClassA
Transconductance	1600 uS	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	16	ClassA

TUBE TINKER

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and their source documents.

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