

ELECTRONIC TUBE REFERENCE

7625

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Metal-ceramic planar triode for high-frequency electronic service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 215 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	57000 Ω
AMPLIFICATION FACTOR	80
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	0.85 W
MAXIMUM CATHODE CURRENT	3.8 mA
Promoted only from clearly labeled printed ratings/characteristics; specialized and operating data retained in parameter rows.	

Metal-ceramic or planar triode.



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*. 6.3=0.3 Volts See Outline Drawing on page 3 for dimensions and elec-	0.3 Volts	Published datasheet; semantic line recovery
Heater Currenttt. 0.215 Amperes trical connections	0.215 Amperes	Published datasheet; semantic line recovery
Grid to Plate: (gtop). 1.3 pf	1.3 pf	Published datasheet; semantic line recovery
Output: pto (h+k)..... 0.03 pf	0.03 pf	Published datasheet; semantic line recovery
Heater to Cathode: (htok)..... 1.5 pf	1.5 pf	Published datasheet; semantic line recovery
DC Plate Voltage. 275 Volts Cathode.	275 Volts	Published datasheet; semantic line recovery
Peak Plate Voltage. 400 Volts Heater Negative with Respect to	400 Volts	Published datasheet; semantic line recovery
Positive Peak and DC Grid Voltage. 0 Volts Cathode. . . L 50 Volts	0 Volts	Published datasheet; semantic line recovery
Positive Peak and DC Grid Voltage. 0 Volts Cathode. . . L 50 Volts	50 Volts	Published datasheet; semantic line recovery
egatlvlle .ea) an rid Voltage. olts Bias\$. , 0.2 Megohms	0.2 Megohms	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Dissipation. 0.85 Watts Envelope Temperature at Hottest	0.85 Watts	Published datasheet; semantic line recovery
DC Cathode Current. 3.8 Milliamperes Pointf 250 C	3.8 Milliamperes	Published datasheet; semantic line recovery
Plate Voltage. 150 Volts Plate Current. ..0.95 Milliamperes	150 Volts	Published datasheet; semantic line recovery
Plate Voltage. 150 Volts Plate Current. ..0.95 Milliamperes	0.95 Milliamperes	Published datasheet; semantic line recovery
Cathode-Bias Resistor. 1000 Ohms Grid Voltage, approximate	1000 Ohms	Published datasheet; semantic line recovery
Amplification Factor. 80 Ib =10 Microamperes,	10 Microamperes	Published datasheet; semantic line recovery
Plate Resistance, approximate.....57000 Ohms Eb=250Volts. -4.6 Volts	57000 Ohms	Published datasheet; semantic line recovery
Plate Resistance, approximate.....57000 Ohms Eb=250Volts. -4.6 Volts	250 Volts	Published datasheet; semantic line recovery
Plate Resistance, approximate.....57000 Ohms Eb=250Volts. -4.6 Volts	4.6 Volts	Published datasheet; semantic line recovery
1 Heater current of a bogey tube at Ef =6.3 volts. possible tube life. The 7625 is also capable of operation at	6.3 volts	Published datasheet; semantic line recovery
when 300 volts RMS, 60 cps, is applied between the plate	300 volts	Published datasheet; semantic line recovery
and Rk =82 ohms. Following the test, tubes are evaluated for low frequency vibrational output, heater- cathode	82 ohms	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
260 voltages applied, and evaluated for cathode interface resistance following	260 volt	Published datasheet; semantic line recovery
_osg' "°_j_ w 2-- trol heater-cathode defects. Conditions of test include Ef=7.0 volts	7 volts	Published datasheet; semantic line recovery
hoar 125 1 [~ 70 volts with heater positive with respect to cathode. Following this test,	70 volts	Published datasheet; semantic line recovery
Heater Voltage	6.3 V	Published datasheet
Heater Current	215 mA	Published datasheet

TUBE TINKER

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