

ELECTRONIC TUBE REFERENCE

7644

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 / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.015 S
AMPLIFICATION FACTOR	110
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	2 W
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 Current at 6.3 volts. 300 Milliamperes Net Weight, approximate. 1/6 Ounces	6.3 volts	Published datasheet; semantic line recovery
Heater Current at 6.3 volts. 300 Milliamperes Net Weight, approximate. 1/6 Ounces	300 Milliamperes	Published datasheet; semantic line recovery
Grid to Cathode 3.65 upf	3.65 upf	Published datasheet; semantic line recovery
Cathode to Anode, maximum, ... 0.020 upf Type of Cooling-Conduction*	0.02 upf	Published datasheet; semantic line recovery
Transconductance. 15,000 Micromhos	15000 Micromhos	Published datasheet; semantic line recovery
DC Plate Voltage 200 Volts Duty Cycle. 0.0011	200 Volts	Published datasheet; semantic line recovery
DC Plate Current. 12 Milliamperes Pulse Width. 15 Microseconds	12 Milliamperes	Published datasheet; semantic line recovery
DC Plate Current. 12 Milliamperes Pulse Width. 15 Microseconds	15 Microseconds	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Dissipation. 2 Watts	2 Watts	Published datasheet; semantic line recovery
Negative DC Grid Voltage. 15 Volts	15 Volts	Published datasheet; semantic line recovery
Heater Voltage 6.3 Volts Pulse Width., 15 Microseconds	15 Microseconds	Published datasheet; semantic line recovery
Gain, 10 megacycle bandwidth.....17.5 Decibels	17.5 Decibels	Published datasheet; semantic line recovery
DC Plate Current. 10 Milliamperes	10 Milliamperes	Published datasheet; semantic line recovery
Heater Voltage	6.32 V	Published datasheet
Heater Current	6.3 A	Published datasheet