



ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA

6BY4

1 SECTION
CONSTRUCTION
TRIODE

Voltage - Triode (single high frequency) electronic tube

Ceramic high-mu triode designed for UHF amplification, providing useful gain at frequencies beyond conventional receiving-tube construction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 250 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	16700 Ω
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM CATHODE CURRENT	5.5 mA

Ceramic high-mu triode for UHF amplification.

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
Typical Plate Voltage	200 V	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PowerGainAt900MHz	15 dB	900MHz
NoiseFactorAt900MHz	8.5 dB	900MHz