

ELECTRONIC TUBE REFERENCE

8627

Nuvistor Tubes (all numbers) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Ceramic-metal power triode for Class A, RF oscillator, amplifier, and frequency-multiplier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	5400 Ω
TRANSCONDUCTANCE	0.013 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2.7 W
MAXIMUM CATHODE CURRENT	30 mA
Higher-current published Class-A characteristic set promoted.	

Ceramic-metal power triode for Class A, RF oscillator, amplifier, and frequency-multiplier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	—
Heater/filament current	150 mA	—
Plate supply voltage	110 V	HigherCurrentSet
Maximum plate voltage	300 V	—
Maximum average cathode current	30 mA	—
Plate dissipation	2.7 W	—
Useful power output	1.25 W	RFOscillator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	70	HigherCurrentSet
Plate resistance	5400 ohm	HigherCurrentSet
Transconductance	13000 uS	HigherCurrentSet
Plate current	11.5 mA	HigherCurrentSet

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	6 pF	—
Output capacitance	1.2 pF	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

