



ELECTRONIC TUBE REFERENCE

7739

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Planar UHF triode designed specifically for pulse-oscillator applications in the approximately 4–5 GHz microwave-frequency region.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.18 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE DISSIPATION	7.5 W
<i>Du Mont 7739 pulse-oscillator rating: maximum peak plate voltage 350 V, maximum peak plate current 325 mA, frequency range 4–5 GHz. These are pulse ratings, not unrestricted continuous DC ratings.</i>	

Planar UHF triode designed for pulse-oscillator applications at frequencies in the 4–5 GHz region.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Du Mont

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

1960 DU MONT

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	1.18 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumOperatingFrequency	5000 MHz	PulseOscillator
OperatingFrequencyMinimum	4000 MHz	PulseOscillator
OperatingFrequencyMaximum	5000 MHz	PulseOscillator
Plate Dissipation	7.5 W	—

TUBE TINKER

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