



ELECTRONIC TUBE REFERENCE

YD1151

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Mullard external-anode power triode for industrial Class C oscillator service. Rated for approximately 2.5 kW plate dissipation and 7.2 kV plate voltage, providing substantial continuous RF power for industrial oscillator and heating applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	7200 V
MAXIMUM PLATE DISSIPATION	2500 W
<i>Industrial Class C oscillator triode.</i>	

The Mullard YD1151 is an external-anode industrial Class C oscillator triode in the YD1150 family.



SOURCE OPERATING CONDITIONS

1963 Mullard

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

1963 MULLARD

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	160 MHz	—
Maximum Plate Voltage	7200 V	—
Maximum Plate Dissipation	2500 W	—
Operating Frequency	27.12 MHz	ClassC; IndustrialOscillator
RF Output Power Less Drive	4.57 kW	ClassC; IndustrialOscillator
Plate Voltage	6000 V	ClassC; 27.12MHz
Plate Current	1 A	ClassC; 27.12MHz
Grid Voltage	-625 V	ClassC; 27.12MHz
Grid Current	250 mA	ClassC; 27.12MHz
Efficiency	82 percent	ClassC; 27.12MHz

TUBE TINKER

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