



ELECTRONIC TUBE REFERENCE

YD1150

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 for medium-power industrial RF heating and related oscillator 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 YD1150 is an external-anode industrial Class C oscillator triode in the YD1150 family.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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