



ELECTRONIC TUBE REFERENCE

YD1171

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Mullard external-anode power triode for high-power industrial Class C oscillator service. Rated for approximately 10 kW plate dissipation and 7.2 kV plate voltage for substantial industrial RF 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	10000 W
<i>Industrial Class C oscillator triode.</i>	

The Mullard YD1171 is an external-anode industrial Class C oscillator triode in the YD1170 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	120 MHz	—
Maximum Plate Voltage	7200 V	—
Maximum Plate Dissipation	10000 W	—
Operating Frequency	120 MHz	ClassC; IndustrialOscillator
RF Output Power Less Drive	15.4 kW	ClassC; IndustrialOscillator
Plate Voltage	6000 V	ClassC; 120MHz
Plate Current	3.4 A	ClassC; 120MHz
RF Output Power	16.2 kW	ClassC; 120MHz
Efficiency	79.4 percent	ClassC; 120MHz

TUBE TINKER

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