

PL250R

Rectifier - Half Wave electronic tube

Penta directly heated high-vacuum diode rectifier for specialized high-voltage supplies. Rated for approximately 60 kV peak inverse voltage, making it suitable for demanding rectifier, multiplier, and related 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

SECTION1 Rectifier	
MAXIMUM PLATE VOLTAGE	60000 V
MAXIMUM PLATE DISSIPATION	150 W
PEAK INVERSE VOLTAGE	60000 V
Highest reliable published rating promoted; additional values and operating/application details retained as parameter rows.	

The Penta PL250R is a high-vacuum directly heated diode rectifier rated for 60 kv peak inverse voltage.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Penta Labs Power Tubes

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

1965 PENTA LABS POWER TUBES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	60000 V	—
Maximum plate dissipation	150 W	—
Source language	English	—
Peak inverse plate voltage	60000 V	—
Plate dissipation	150 W	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	High-vacuum directly heated diode rectifier rated for 60 kV peak inverse voltage.	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling	Radiation/convection or source-specific	—
Electrode structure	Rectifier	—