

PL4D21

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

Power tetrode with 125-watt plate dissipation designed for RF amplifier, oscillator, and modulator service to approximately 120 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.0025 S
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM SCREEN VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	125 W
MAXIMUM GRID DISSIPATION	5 W
Highest reliable published rating promoted; additional values and operating/application details retained as parameter rows.	

The Penta PL4D21 is a power tetrode with 125 w plate dissipation for rf amplifier, oscillator, and modulator service.

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 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2500 uS	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	4000 V	—
Maximum screen voltage	600 V	—
Maximum plate dissipation	125 W	—
Maximum control-grid dissipation	5 W	—
Source language	English	—
Maximum frequency for full ratings	120 MHz	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	Power tetrode with 125 W plate dissipation for RF amplifier, oscillator, and modulator service.	
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CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling	Radiation/convection or source-specific	—
Electrode structure	Tetrode	—