

PL210

1 SECTION
CONSTRUCTION
PENTODE

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

Power pentode designed for RF transmitting, linear RF amplification, oscillation, modulation, or RF/LF power-amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 22 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.044 S
MAXIMUM PLATE VOLTAGE	7500 V
MAXIMUM SCREEN VOLTAGE	1250 V
MAXIMUM PLATE DISSIPATION	5000 W
Highest reliable published rating promoted; additional values and operating/application details retained as parameter rows.	

The Penta PL210 is a high-power external-anode pentode with 5000 w plate dissipation for rf power 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 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	44000 uS	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	7500 V	—
Maximum screen voltage	1250 V	—
Maximum plate dissipation	5000 W	—
Source language	English	—

APPLICATION			
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE	
Primary application	High-power external-anode pentode with 5000 W plate dissipation for RF power service.		—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling	Forced air	—
Electrode structure	Pentode	—