

ELECTRONIC TUBE REFERENCE

PL8576

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Forced-air-cooled 3 kW power pentode for multi-kilowatt professional RF amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 17 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.037 S
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	3000 W
Highest reliable published rating promoted; additional values and operating/application details retained as parameter rows.	

The Penta PL8576 is a forced-air-cooled 3000 w power tube for high-power rf amplifier 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
Heater/filament voltage	6 V	—
Heater/filament current	17 A	—
Transconductance	37000 uS	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	5000 V	—
Maximum plate dissipation	3000 W	—
Source language	English	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	Forced-air-cooled 3000 W power tube for high-power RF amplifier service.	—

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