



ELECTRONIC TUBE REFERENCE

PL6549

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam pentode with 75-watt plate dissipation optimized to deliver useful power at relatively low plate voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.0045 S
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM SCREEN VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	75 W
MAXIMUM GRID DISSIPATION	5 W
Highest reliable published rating promoted; additional values and operating/application details retained as parameter rows.	

The Penta PL6549 is a 75 w beam pentode optimized for useful power at relatively low plate 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 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	4500 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	2000 V	—
Maximum screen voltage	600 V	—
Maximum plate dissipation	75 W	—
Maximum control-grid dissipation	5 W	—
Source language	English	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate capacitance	0.09 pF	—
Input capacitance	7.5 pF	—
Output capacitance	3.4 pF	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	75 W beam pentode optimized for useful power at relatively low plate voltage.	—

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