



ELECTRONIC TUBE REFERENCE

PL6569

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Penta high-mu power triode designed particularly for grounded-grid RF amplification. Multi-kilovolt plate capability, moderate dissipation, and low capacitances provide useful power gain for professional transmitting equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 14.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0045 S
AMPLIFICATION FACTOR	45
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM PLATE DISSIPATION	250 W
Highest reliable published rating promoted; additional values and operating/application details retained as parameter rows.	

The Penta PL6569 is a 250 w high-mu power triode for grounded-grid 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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	5 V	—
Heater/filament current	14.5 A	—
Amplification factor	45	—
Transconductance	4500 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	4000 V	—
Maximum plate dissipation	250 W	—
Source language	English	—
Grounded-grid power gain	10 x	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate capacitance	7.6 pF	—
Input capacitance	3.7 pF	—
Output capacitance	0.1 pF	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	250 W high-mu power triode for grounded-grid RF amplifier service.	—

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

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