



ELECTRONIC TUBE REFERENCE

6418

Voltage Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Directly heated subminiature low-power pentode. Manufacturer operating tables document compact signal-amplifier service with low heater demand, making it suitable for miniature equipment where power consumption and physical size are constrained.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	1.25 V / 10 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	420000 Ω
TRANSCONDUCTANCE	0.0003 S
MAXIMUM PLATE VOLTAGE	30 V
MAXIMUM SCREEN VOLTAGE	30 V
MAXIMUM PLATE DISSIPATION	0.05 W
MAXIMUM SCREEN DISSIPATION	0.01 W
MAXIMUM CATHODE CURRENT	0.5 mA
<i>Promoted source ratings/characteristics; identical repeated sections compressed.</i>	

Directly heated subminiature low-power pentode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1961 TUNG SOL

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	1.25 V	Nominal
Heater current	10 mA	Nominal
Plate voltage	15 V	Published operating table; OperatingPoint1
Plate voltage	22.5 V	Published operating table; OperatingPoint2
Screen voltage	30 V	Published operating table; OperatingPoint1
Screen voltage	15 V	Published operating table; OperatingPoint1
Screen voltage	22.5 V	Published operating table; OperatingPoint2



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 4 of 4

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	1.25 V	—
Heater/filament current	10 mA	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application summary	Directly heated subminiature low-power pentode.	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	15 V	—
Screen voltage	15 V	—
Plate current	100 μ A	—
Transconductance	190 μ S	—
Power output	0.6 mW	—
Plate voltage high-output point	22.5 V	—
Power output high point	2.2 mW	—