



ELECTRONIC TUBE REFERENCE

5886

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Filamentary electrometer pentode designed for extremely low-current circuitry. It may also be connected as a triode for specialized electrometer applications, making ultra-high-impedance measurement rather than ordinary RF or audio amplification its defining function.

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	8000000 Ω
TRANSCONDUCTANCE	0.000014 S
MAXIMUM PLATE VOLTAGE	225 V
MAXIMUM SCREEN VOLTAGE	2.5 V
MAXIMUM CATHODE CURRENT	0.3 mA
Published ratings and characteristics promoted from approved datasheet.	

Filamentary electrometer pentode designed for extremely low-current circuitry; it may also be triode-connected for specialized electrometer applications.



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

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1 To All	2.2 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 3 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 1 · Pentode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	1.25 V	—
Heater current	10 mA	—
Pentode plate voltage	8.5 V	PentodeConnection
Pentode screen voltage	4.5 V	PentodeConnection
Pentode grid 1 voltage	-2 V	PentodeConnection
Pentode plate current	6 uA	PentodeConnection
Pentode screen current	3.6 uA	PentodeConnection
Triode-connected plate voltage	10.5 V	TriodeConnection
Triode-connected grid voltage	-3 V	TriodeConnection

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Triode-connected plate current	200 uA	TriodeConnection
Maximum plate voltage	22.5 V	—
Maximum screen voltage	22.5 V	—
Maximum cathode current	0.3 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Triode-connected transconductance	175 uS	TriodeConnection
Triode-connected amplification factor	1.8	TriodeConnection

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1-to-all capacitance	2.2 pF	—
Grid1-to-grid2-and-plate capacitance	2 pF	—

TUBE TINKER

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