



ELECTRONIC TUBE REFERENCE

3V4WA

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Ruggedized version of the 3V4 directly heated power pentode, intended for military equipment and low-voltage audio power amplification. It combines battery operation with strengthened construction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	2.5 V / 50 mA	PARALLEL HEATER	1.25 V / 100 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	100000 Ω
TRANSCONDUCTANCE	0.00215 S
MAXIMUM PLATE VOLTAGE	100 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM CATHODE CURRENT	13 mA
Published promoted fields populated by semantic headings; identical repeated sections compressed.	

The 3V4WA is a ruggedized version of the 3V4 directly heated power pentode, intended for military equipment and low-voltage audio power-amplifier service.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2150 μ S	Typical

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	0.27 W	Typical



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
Typical plate voltage	90 V	ClassA
Typical screen voltage	90 V	ClassA
Typical control-grid voltage	-4.5 V	ClassA
Typical plate current	9.5 mA	ClassA
Power output	0.27 W	ClassA
Maximum cathode current	13 mA	—
Maximum plate voltage	100 V	PromotedValue
Maximum screen voltage	200 V	PromotedValue

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum cathode current	13 mA	PromotedValue
Plate Voltage 90 85	90 V	PublishedTable
Screen Voi Ta Ge 90 85	90 V	PublishedTable
Peak Af Grid Voltage U.5 5	4.5 V	PublishedTable
Zero–Signal Plate Current 7.7 6.9	9.5 mA	PublishedTable
Zero–Signal Screen Current 1.7 1.5	2.1 mA	PublishedTable
Load Resistance 10 000 10 000 10	0 ohm	PublishedTable
Transconductance 2 000 1 975 2	150 MMHOS	PublishedTable
Maximum–S16NaI Power Output 0.24 0.25	0.27 W	PublishedTable

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	100000 ohm	PromotedValue
Transconductance	0.00215 A/V	PromotedValue
1.25F20~ Volts	100 mA	PublishedTable

TUBE TINKER

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