



ELECTRONIC TUBE REFERENCE

9EF6

Power - TV Vertical Output electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power pentode designed specifically as a vertical-deflection amplifier in wide-angle television receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	NOVAL	BASE PINS	8
NOMINAL HEATER	9.4 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.005 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM SCREEN DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	60 mA
60-mA average cathode-current rating promoted; 180-mA peak cathode and 2000-V pulse plate ratings retained as parameters.	

Beam power pentode designed for vertical-deflection amplifier service in wide-angle television receivers. The supplied Tung-Sol datasheet was used for construction, heater, ratings, characteristics, and intended-service information.



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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	9.4 V	—
Heater current	600 mA	—
Peak positive pulse plate voltage	2000 V	VerticalDeflection
Peak cathode current	180 mA	VerticalDeflection
Heater warm-up time approximate	11 s	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.8 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 2 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Positive Pulse Plate Voltage	2000 V	VerticalDeflection
Peak Cathode Current	180 mA	VerticalDeflection

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	—
Screen Voltage	250 V	—
Grid 1 Voltage	-18 V	—
Plate Current	50 mA	—
Screen Current	2 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current at Eb=75V Ec2=250V Ec1=0	170 mA	Instantaneous
Screen Current at Eb=75V Ec2=250V Ec1=0	17 mA	Instantaneous