



ELECTRONIC TUBE REFERENCE

KT150

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

High-power beam tetrode designed for high-fidelity audio output stages, with 70-watt maximum plate dissipation and substantial single-tube power capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.0126 S
MAXIMUM PLATE VOLTAGE	850 V
MAXIMUM SCREEN VOLTAGE	650 V
MAXIMUM PLATE DISSIPATION	70 W
MAXIMUM SCREEN DISSIPATION	9 W
MAXIMUM CATHODE CURRENT	275 mA
<i>Transconductance is published as a minimum at the delivery-test operating point.</i>	

High-power beam tetrode for low-frequency power amplification in HI-FI audio output stages.



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	6.3 V	—
Heater current minimum	1.75 A	—
Heater current maximum	2 A	—
Output power minimum	20 W	Ua=400V;Uc2=225V;Uc1=-14V

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance nominal	20.5 pF	—
Output capacitance nominal	10 pF	—
Transfer capacitance nominal	1.75 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current minimum	150 mA	Ua=400V;Uc2=225V;Uc1=-14V
Plate current maximum	180 mA	Ua=400V;Uc2=225V;Uc1=-14V
Grid-2 current maximum	15 mA	Ua=400V;Uc2=225V;Uc1=-14V
Cathode-to-heater leakage current maximum	50 uA	Uk-h=+-300V



2026 Tungsol Rebrand

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Section 1 · Beam Power

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	HighPowerAudioOutput text	—

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