



ELECTRONIC TUBE REFERENCE

6BJ6A

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

A-version remote-cutoff pentode for variable-gain RF and wideband voltage amplification in compact receiver and communications equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	1500000 Ω
TRANSCONDUCTANCE	0.0036 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	0.6 W
<i>Advance-data sheet refers electrical values to Type 6BJ6 EIA release; only directly published 6BJ6A data retained.</i>	

Remote-cutoff pentode voltage amplifier, A variant, for high-frequency and wide-band RF service.



SOURCE OPERATING CONDITIONS

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
Plate Voltage	250 V	ClassA
Screen Voltage	100 V	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	9.2 mA	ClassA

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid To Plate Capacitance	0.0035 pF	WithShield



SOURCE OPERATING CONDITIONS

1966 Tung Sol Electronic Tubes 1 of 4

[SOURCE PDF](#)

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

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
THE	6 A	THE 66J6.6BJ6A ARE PENTODE VOLTAGE AMPLIFIERS WITH REMOTE CONTROL CHAR —

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GRID TO PLATE: (G TO P) MAX	0.0035 μf	Capacitances GRID TO PLATE: (G TO P) MAX. 0.0035 0.0035 μf

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER VOLTAGE	6.3 V	Maximum Ratings HEATER VOLTAGE 6.3 VOLTS
MAXIMUM HEATER—CATHODE VOLTAGE	90 V	Maximum Ratings MAXIMUM HEATER—CATHODE VOLTAGE 90 voLTs
MAXIMUM GRID #	300 V	Maximum Ratings MAXIMUM GRID #2 SUPPLY VOLTAGE 300 voLTs
MAXIMUM GRID #	4 V	Maximum Ratings MAXIMUM GRID #2 VOLTAGE SFE JS—C4 VOLTS
MAXIMUM GRID #	6 W	Maximum Ratings MAXIMUM GRID #2 B DISSIPATION 0.6 WATTS
MAXIMUM NEGATIVE OC GRID #1 VOLTAGE	50 V	Maximum Ratings MAXIMUM NEGATIVE OC GRID #1 VOLTAGE 50 VOLTS
HEATER CURRENT	150 mA	Typical Operating Conditions HEATER CURRENT 150 150 MA.
PLATE VOLTAGE	250 V	Typical Operating Conditions PLATE VOLTAGE 100 250 VOLTS
GRID #	1 V	Typical Operating Conditions GRID #1 VOLTAGE —1.0 —1.0 VOLTS
TRANSCONDUCTANCE	600 μMHos	Typical Operating Conditions TRANSCONDUCTANCE 3 650 3 600 μMHos
PLATE CURRENT	9.2 mA	Typical Operating Conditions PLATE CURRENT 9 9.2 MA.
GRID #	3.3 mA	Typical Operating Conditions GRID #2 CURRENT 3.5 3.3 MA•
GRID #	10 μMHOS	Typical Operating Conditions GRID #1 VOLTAGE FOR $G_m = 10 \mu\text{MHOS}$ —20 —20 VOLTS

TUBE TINKER

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and their source documents.

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