



ELECTRONIC TUBE REFERENCE

18FW6

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Semi-remote-cutoff miniature pentode for RF and IF amplification in 100 mA series-heater AC/DC radio receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7CC	BASE PINS	7
NOMINAL HEATER	18 V / 100 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	250000 Ω
TRANSCONDUCTANCE	0.0041 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	0.6 W
<i>Semi-remote-cutoff RF/IF pentode; screen voltage governed by published rating chart, with 150 V maximum screen supply.</i>	

The 18FW6 is a 7-pin semi-remote-cutoff pentode with a 100 mA heater, designed for RF and IF amplifier service in AC/DC radio receivers.



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
TransconductancePublished	4400 μ S	—



SOURCE OPERATING CONDITIONS

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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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid 1-to-plate capacitance	0.0035 pF	WholeTube
Input capacitance	5.5 pF	WholeTube
Output capacitance	5 pF	WholeTube
Grid 1 voltage for 25 μ S transconductance	-20 V	WholeTube

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	150 V	WholeTube
Maximum screen supply voltage	150 V	WholeTube
Maximum plate dissipation	2.5 W	WholeTube

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum screen dissipation	0.6 W	WholeTube
Plate voltage	200 V	TypicalOperation
Screen voltage	100 V	TypicalOperation
Plate current	11 mA	TypicalOperation
Screen current	4.4 mA	TypicalOperation
Transconductance	4400 μ S	TypicalOperation
Plate resistance	250000 ohm	TypicalOperation



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Pentode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1 To Plate Capacitance	0.0035 pF	—
Input Capacitance	5.5 pF	—
Output Capacitance	5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	100 V	—
Typical Screen Voltage	100 V	—
Cathode Bias Resistance	48 ohm	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Current	9 mA	—
Typical Screen Current	3.9 mA	—
Grid1 Voltage At25u S	-20 V	—

TUBE TINKER

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and their source documents.

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