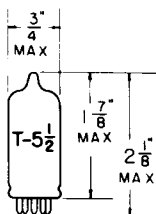


## TUNG-SOL

PENTODE  
MINIATURE TYPE

GLASS BULB

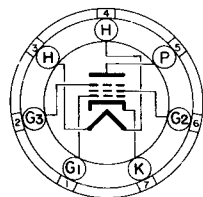
COATED UNIPOTENTIAL CATHODE

HEATER

18 VOLTS 0.10 AMP.

AC OR DC

ANY MOUNTING POSITION

BOTTOM VIEW  
MINIATURE BUTTON  
7 PIN BASE

1CC

THE 18FW6 IS A SEMI REMOTE CUTOFF PENTODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT HAS A 100 MA HEATER AND IS DESIGNED FOR RF AND IF APPLICATIONS IN AC/DC TYPE RADIO RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES<sup>A</sup>

GRID #1 TO PLATE (MAX.)	.0035	$\mu\text{uf}$
INPUT	5.5	$\mu\text{uf}$
OUTPUT	5.0	$\mu\text{uf}$

<sup>A</sup>EXTERNAL SHIELD #316 CONNECTED TO PIN 7 (CATHODE).

## RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

HEATER VOLTAGE	18	VOLTS
MAXIMUM PLATE VOLTAGE	150	VOLTS
MAXIMUM GRID #2 SUPPLY VOLTAGE	150	VOLTS
MAXIMUM GRID #2 VOLTAGE	SEE RATING CHART	
MAXIMUM PLATE DISSIPATION	2.5	WATTS
MAXIMUM GRID #2 DISSIPATION	0.6	WATTS
MAXIMUM HEATER-CATHODE VOLTAGE	100	VOLTS

DESIGN-MAXIMUM RATINGS ARE LIMITING VALUES OF OPERATING AND ENVIRONMENTAL CONDITIONS APPLICABLE TO A BOGEY ELECTRON DEVICE OF A SPECIFIED TYPE AS DEFINED BY ITS PUBLISHED DATA, AND SHOULD NOT BE EXCEEDED UNDER THE WORST PROBABLE CONDITIONS. THE DEVICE MANUFACTURER CHOOSES THESE VALUES TO PROVIDE ACCEPTABLE SERVICEABILITY OF THE DEVICE, TAKING RESPONSIBILITY FOR THE EFFECTS OF CHANGES IN OPERATING CONDITIONS DUE TO VARIATIONS IN DEVICE CHARACTERISTICS. THE EQUIPMENT MANUFACTURER SHOULD DESIGN SO THAT INITIALLY AND THROUGHOUT LIFE NO DESIGN-MAXIMUM VALUE FOR THE INTENDED SERVICE IS EXCEEDED WITH A BOGEY DEVICE UNDER THE WORST PROBABLE OPERATING CONDITIONS WITH RESPECT TO SUPPLY-VOLTAGE VARIATION, EQUIPMENT COMPONENT VARIATION, EQUIPMENT CONTROL ADJUSTMENT, LOAD VARIATION, SIGNAL VARIATION, AND ENVIRONMENTAL CONDITIONS.

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HEATER VOLTAGE	18	VOLTS
HEATER CURRENT	0.10	AMP.
PLATE VOLTAGE	100	VOLTS
GRID #3 VOLTAGE	CONNECTED TO CATHODE AT SOCKET	
GRID #2 VOLTAGE	100	VOLTS
CATHODE BIAS RESISTOR	68	OHMS
PLATE CURRENT	11	MA.
GRID #2 CURRENT	4.4	MA.
TRANSCONDUCTANCE	4400	$\mu\text{MHOS}$
PLATE RESISTANCE (APPROX.)	0.25	MEGOHM
GRID #1 VOLTAGE FOR $g_m = 25 \mu\text{MHOS}$	-20	VOLTS