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

GRID #1 TO PLATE (MAX.) 0.0035 μF
INPUT 5.5 μF
OUTPUT 5.0 μF

*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 μMHO
PLATE RESISTANCE (APPROX.) 0.25 MEGOHM
GRID #1 VOLTAGE FOR gm = 25 μMHO

TUNG-SOL ELECTRIC INC. ELECTRON TUBE DIVISION BLOOMFIELD, NEW JERSEY, U.S.A. JULY 3, 1959 PLATE #5764