TRIODE DOUBLE DIODE
MINIATURE TYPE

COATED UNIPOTENTIAL CATHODE
HEATER
18 VOLTS 0.10 AMP.
ANY MOUNTING POSITION

BOTTOM VIEW
MINIATURE BUTTON
7 PIN BASE

THE 18G6E6 IS A HIGH MU TRIODE DOUBLE DIODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT FEATURES 100 MILLIAMPERE HEATER AND IS DESIGNED FOR DETECTOR-AMPLIFIER APPLICATIONS IN AC/DC TYPE RADIO RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES
WITHOUT EXTERNAL SHIELD

GRID TO PLATE 1.8 \( \mu \text{f} \)
INPUT: G TO (H + K) 2.4 \( \mu \text{f} \)
OUTPUT: P TO (H + K) 0.2 \( \mu \text{f} \)
GRID TO DIODE #2 PLATE (MAX.) 0.2 \( \mu \text{f} \)

RATINGS
INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

HEATER VOLTAGE 18 VOLTS
MAXIMUM PLATE VOLTAGE 150 VOLTS
MAXIMUM PLATE DISSIPATION 0.5 WATT
MAXIMUM DIODE PLATE CURRENT, (EACH DIODE) 1.0 MA.
MAXIMUM HEATER-CATHODE VOLTAGE 100 VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A1 AMPLIFIER

HEATER VOLTAGE 18 VOLTS
HEATER CURRENT 0.10 AMP.
PLATE VOLTAGE 100 VOLTS
GRID VOLTAGE -1 VOLTS
PLATE CURRENT 1.0 MA.
PLATE RESISTANCE 40000 OHMS
TRANSCONDUCTANCE 1700 AMPS
AMPLIFICATION FACTOR 70
AVERAGE DIODE CURRENT, EACH DIODE WITH 10 VOLTS DC APPLIED 2.0 MA.

A DESIGN-MAXIMUM RATINGS ARE LIMITING VALUES OF OPERATING AND ENVIRONMENTAL CONDITIONS APPLICABLE TO A ROGETE 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 ROGETE ELECTRON 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.

B TEST CONDITION ONLY.