THE 19GQ7 IS A TRIPLE HIGH PERVEANCE DIODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR SERVICE AS AN AM DETECTOR AND FM RADIO-DETECTOR OR DISCRIMINATOR.

DIRECT INTERELECTRODE CAPACITANCES

PLATE INPUT EACH UNIT: P TO (K + H)
CATHODE INPUT EACH UNIT: K TO (P + H)
PLATE, UNIT #1 TO PLATE, UNIT #2
PLATE, UNIT #1 TO PLATE, UNIT #3
PLATE, UNIT #2 TO PLATE, UNIT #3

2.05  pf
2.10  pf
0.47  pf
0.47  pf
0.05  pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES • SEE EIA STANDARD RS-299

AVERAGE CHARACTERISTICS

18.9 VOLTS
150 mA

LIMITS OF SUPPLIED CURRENT

150 ± 9 mA

PEAK HEATER-CATHODE VOLTAGE:
HEATER NEGATIVE WITH RESPECT TO CATHODE
DC COMPONENT

330 VOLTS
330 VOLTS

HEATER POSITIVE WITH RESPECT TO CATHODE
DC COMPONENT
200 VOLTS
100 VOLTS

CONTINUED ON FOLLOWING PAGE
MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

PEAK INVERSE VOLTAGE ........................................... 330 VOLTS
AC PLATE VOLTAGE RMS - EACH PLATE ....................... 117 VOLTS
STEADY STATE PEAK PLATE CURRENT - EACH PLATE ........ 54 mA
DC OUTPUT CURRENT - EACH PLATE .......................... 9 mA
MINIMUM TOTAL EFFECTIVE PLATE SUPPLY IMPEDENCE - EACH PLATE 300 OHMS

CHARACTERISTICS

TUBE VOLTAGE DROP AT 60 mA .................................. 10 VOLTS
RESONANT FREQUENCY - EACH UNIT .......................... APPROX. 700 Mc/s

![Graph showing average characteristics each diode](image-url)