
DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

GRID 1 TO PLATE - MAX. 0.019 pf
INPUT (G TO H + K + G3 + I.S. + G2) 8.2 pf
OUTPUT (P TO H + K + G3 + I.S. + G2) 3.0 pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES • SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS
HEATER CANON-UP VOLTAGE 4.5 VOLTS
LIMITS OF SUPPLIED CURRENT 450 ± 30 mA

MAXIMUM HEATER-CATHODE VOLTAGE:
HEATER NEGATIVE WITH RESPECT TO CATHODE 200 VOLTS
TOTAL DC AND PEAK
HEATER POSITIVE WITH RESPECT TO CATHODE 100 VOLTS
DC
TOTAL DC AND PEAK 200 VOLTS

CONTINUED ON FOLLOWING PAGE
MAXIMUM RATINGS
DESIGN MAXIMUM VALUES • SEE EIA STANDARD RS-239

- PLATE VOLTAGE: 330 VOLTS
- GRID 2 SUPPLY VOLTAGE: 330 VOLTS
- GRID 2 VOLTAGE: SEE RATING CHART
- POSITIVE DC GRID 1 VOLTAGE: 0 VOLTS
- PLATE DISSIPATION: 2.5 WATTS
- GRID 2 DISSIPATION: UP TO 165 VOLTS
- GRID 1 CIRCUIT RESISTANCE:
  - CATHODE BIAS RESISTOR: 1 MEGOHM
  - FIXED BIAS: 0.25 MEGOHM

CHARACTERISTICS AND TYPICAL OPERATION

- PLATE VOLTAGE: CONNECTED TO CATHODE AT SOCKET
  - 125 VOLTS
- GRID 2 VOLTAGE: CONNECTED TO CATHODE AT SOCKET
  - 125 VOLTS
- CATHODE BIAS RESISTOR: 56 OHMS
- PLATE CURRENT: 15 mA
- GRID 2 CURRENT: 4 mA
- TRANSCONDUCTANCE: 14,000 µMHO
- PLATE RESISTANCE: 0.16 MEGOHM

GRID 1 VOLTAGE FOR G_m = 600 µMHO
- -4.5 VOLTS