
DIRECT INTERELECTRODE CAPACITANCES

WITH SHIELD #315 CONNECTED TO CATHODE
GRID TO PLATE 0.024
INPUT 8.70
OUTPUT 3.00

WITHOUT SHIELD
GRID TO PLATE 0.031
INPUT 8.70
OUTPUT 2.15

HEATER CHARACTERISTICS AND RATINGS

AVERAGE CHARACTERISTICS
HEATER WARM-UP TIME 4.2 VOLTS 450 MA.
LIMITS OF SUPPLIED CURRENT 11 SECONDS
450 ± 30 MA.

HEATER CATHODE VOLTAGE:
HEATER NEGATIVE WITH RESPECT TO CATHODE
TOTAL DC AND PEAK MAX. 200 VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE
TOTAL DC AND PEAK MAX. 200 VOLTS

CONTINUED ON FOLLOWING PAGE
MAXIMUM RATINGS

PLATE VOLTAGE 250 VOLTS
GRID 2 SUPPLY VOLTAGE 250 VOLTS
GRID 2 VOLTAGE See Rating Chart
NEGATIVE GRID 1 VOLTAGE 50 VOLTS
PLATE DISSIPATION 2.5 WATTS
GRID 2 DISSIPATION - UP TO 125 VOLTS 0.6 WATT
GRID 1 CIRCUIT RESISTANCE:
CATHODE-BIAS RESISTOR 1 MEGOHM
FIXED BIAS 0.25 MEGOHM

CHARACTERISTICS AND TYPICAL OPERATION

PLATE VOLTAGE 125 VOLTS
GRID 3 VOLTAGE Connected To Cathode At Socket
GRID 2 VOLTAGE 125 VOLTS
CATHODE-BIAS RESISTOR 56 OHMS
PLATE CURRENT 13 MA
GRID 2 CURRENT 3.2 MA
TRANSCONDUTANCE 15,000 \(\mu\)HOS
PLATE RESISTANCE 0.156 MEGOHM
HOT INPUT RESISTANCE A 13,000 OHMS
HOT INPUT CAPACITANCE A 2.4 pF

GRID 1 VOLTAGE AT \(G_m = 100 \mu\)HOS -3.0 VOLTS

\(A\) MEASURED AT 44 MC/S WITH UNBYPASSED 56 OHM CATHODE RESISTOR.
AVERAGE TRANSFER CHARACTERISTICS
E_b = 125 VOLTS

AVERAGE CHARACTERISTICS
E_b = 125 VOLTS
E_c2 = 125 VOLTS
Frequency: 44 MHz
CATHODE RESISTOR UNBYPASSED
AVERAGE CHARACTERISTICS

$E_b = 125$ VOLTS
$E_{c2} = 125$ VOLTS
Frequency: 44 Mc
Cathode Resistor Unbypassed

INPUT CAPACITANCE - MICROMICROFARADS

PLATE MILLIAMPERES

$R_k = 36 \Omega$