HALF-WAVE VACUUM RECTIFIER
MINIATURE TYPE

UNIPOTENTIAL CATHODE
HEATER NOMINAL
36 VOLTS 32 VOLTS
0.10±.006 AMP.
AC OR DC
ANY MOUNTING POSITION

THE 36AM3A IS A HALF-WAVE VACUUM RECTIFIER IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR USE IN AC/DC RECEIVERS. FEATURES OF THE TUBE ARE A LOW TUBE-VOLTAGE DROP AND A 300-MILLIAMPERE HEATER.

RATINGS
INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM HALF-WAVE RECTIFIER

HEATER CURRENT: 0.10±.006 AMP.
HEATER VOLTAGE (ENTIRE HEATER - PINS 3 & 4) 36 VOLTS
HEATER VOLTAGE (TAP-SECTION PINS 3 & 6) 32 VOLTS
MAXIMUM PEAK INVERSE PLATE VOLTAGE 365 VOLTS
MAXIMUM PEAK PLATE CURRENT 530 MA.
MAXIMUM DC OUTPUT CURRENT 82 MA.
MAXIMUM PEAK HEATER-CATHODE VOLTAGE:
HEATER NEGATIVE WITH RESPECT TO CATHODE 350 VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE 200 VOLTS

TYPICAL OPERATION IN ACCOMPANYING HALF-WAVE CIRCUIT

CAPACITOR-INPUT FILTER
AC PLATE-SUPPLY VOLTAGE, RMS 120 VOLTS
FILTER-INPUT CAPACITOR 40 µF
TOTAL EFFECTIVE PLATE-SUPPLY RESISTANCE 1 OHMS
DC OUTPUT CURRENT 75 MA.
DC OUTPUT VOLTAGE AT INPUT TO FILTER (APPROX.) 118 VOLTS
TUBE VOLTAGE DROP FOR PLATE MA. = 150

A THE HEATER OF THE 36AM3A IS DESIGNED SO THAT THE HEATER SECTION BETWEEN PIN 4 & 6 IS USED AS A LIMITING RESISTANCE IN THE RECTIFIER PLATE CIRCUIT. (SEE TYPICAL HALF-WAVE CIRCUIT.)

B THE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

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