from RMA release #904A, July 10, 1953
sponsor: National Union Radio Corp.

5857

WIDE BAND SECONDARY EMMISSION V.H.F. AMPLIFIER

Release #904

September 11, 1950

RATINGS

Heater Voltage AC or DC	6.3	volts
Maximum Plate Voltage	350	volts
Maximum Inner Shield Voltage	275	volts
Maximum Dynode Voltage	250	volts
Maximum Screen Voltage	75	volts
Maximum Plate Dissipation ♦	1.5	watts
Maximum Dynode Dissipation *	0.65	watts
Maximum Heater to Cathode Voltage	100	volts

* $P_{dy} = E_{dy} (I_b - I_{dy})$ ♦ $W_b = I_b (E_b - E_{dy})$

INTERELECTRODE CAPACITIES

Grid to Plate	0.004 µµf(max)
Input	9.300 µµf
Output	2.200 µµf

♦ With no external shield

CONDITIONS OF OPERATION

Heater Voltage	6.3 volts
Heater Current	450 ma
Plate Voltage	300 volts
Inner Shield Voltage	250 volts
Dynode Voltage	210 volts
Screen Resistor for 300 V. Supply	680,000 ohms
Cathode Resistor	200 ohms
Plate Current	8.0 ma
Inner Shield Current	0.2 ma
Dynode Current	-6.0 ma
Screen Current	0.40 ma
Cathode Current	2.60 ma
Transconductance	~~25,000~~ 20000 µmhos
Grid Voltage for a Plate Current of 10 µa (Approx.)	-3.0 volts
Plate Resistance (Approx.)	70,000 ohms

Life Tested for 1000 Hours

PHYSICAL SPECIFICATIONS

Style	Miniature
Bulb	T6½
Diameter	7/8"
Seated Height	1-15/16"max
Overall Length	2-3/16" max
Base	9 pin Noval
Mounting Position	Any

BASE PIN CONNECTIONS

Pin 1 - G3
Pin 2 - K + G4
Pin 3 - H
Pin 4 - G1
Pin 5 - K
Pin 6 - H
Pin 7 - G2
Pin 8 - Dy
Pin 9 - P

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