

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

5857

WIDE BAND SECONDARY EMISSION
V.E.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 μ mf(max)
Input	9.300 μ mf
Output	2.200 μ mf

♦ 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 μ mhos
Grid Voltage for a Plate Current of 10 μ a (Approx.)	-3.0 volts
Plate Resistance (Approx.)	70,000 ohms

Life Tested for 1000 Hours

PHYSICAL SPECIFICATIONS

Style - - - - -	Miniature
Bulb - - - - -	T6 $\frac{1}{2}$
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

RMA Basing - 9 AB

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