Date: 3-18-47

NATIONAL UNION RADIO CORPOPATION

Tyne 14X7

Twin Diode - High Mu Triode

Physical Specifications

Cathodes	Costed Unipotential
Pase	Loktal 8-Pin
Bulb	T-9
Maximum Diameter	1-3/167
Maximum Overall Length	3-5/32 ⁿ
Meximum Seated Height	2-5/8"
Pin Connections:	
Pin 1 - Heater	Pin 5 - Diode Plate #1
2 - Triode Plate	6 - Diode Plate #2
3 - Triode ^G rid	7 - Cathode #2 (Diode #2)
4 - Cethode #1	8 - Heater
(Triode & Diode #1) and Diode	Shields

PMA Basing No.

8B7-L-4

Mounting Position

Any

Direct Interelectrode Capacitances (without shield)

Diode #1	to	All		2.9 uuf	
Diode #2	to	All		2.9 uuf	
Diode #1	to	Grid		.15 uuf m	ax.
Diode #2	to	rid		.10 uuf m	ıax.
Diode #1	to	Diode	#2	.59 บนริ ซ	ax.

Ratings: Triode Unit

Heater Voltage (AC or DC) (Noni	nal) 14.0 volt	ā
Heater Current (Nominal)	.le amp.	
Maximum Plate Voltage	300 volt	9

Diode Units (Two)

Diode Current per Plate with 5 volts DC applied 10.0 MA Win.

Average Characteristics - Sr. ode Unit

Heater Voltage	12.6	12.6	volts
Heater Current	.150	.150	amໆ.
Plate Gurrent Volla,	100	250	volt5
Grid Voltage	0	-1.0	volts
Amplification Factor	85	100	
Transconductance	1999	1500	umbe
Plate Resistance	88 , 000	67,000	obe 2
Flate Current	1.2	1.9	MI

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Average Characteristics - Diode Unit

Diode Voltage	2.5 Volts
Dervance	6.0 MA

Typical Operating Conditions & Characteristics Zero-Bias Resistance Coupled Amplifier Class A:

Heater Voltage	6.3	6.3 volts
Plate Sunnly Voltage	100	370 volts
Grid Leak Following Stage	10	10 megohm
Load Resistance	.25	.25 megohm
Coupling Caracitance .01 to	.995	.01 to .005 uuf
Grid Resistor of Following Tube	1.0	1.0 megohm
External Grid Circuit Immedance	0	O megohm
Voltage Gain	30	40
Voltage Output (RMS) at 5% Dist.	6	30 volts

For interpretation of ratings refer to Receiving Tube Rating Sheets.

DEVELOPMENT FUGINFERING NATIONAL UNION BADIO CORP. LANSDILE, PENNSYLVANIA