MAZDA

I.D.13

BATTERY R.F. DIODE

Indirectly heated

RATING				
Heater Voltage (volts)	v_h	1.4		
Heater Current (amps)	Ih	0.15		
Maximum Anode Voltage (RMS).	Va(max)	130		
Maximum Peak Inverse Voltage (volts)	P.1.V.(max)	365		
Maximum Peak Anode Current (mA)	Ia(pk)max	5.0		
Maximum Mean Anode Current (mA)	Ia(av)max	0.5		
Maximum Potential Heater/Cathode (volts D.C.)	V _{h-k(max)}	100		
INTER-ELECTRODE CAPACITANCES •				
Anode/Cathode (µµF)	$c_{\mathbf{a}-\mathbf{k}}$	0.6		
Anode/Heater (µµF)	c _{a-h}	1.05		
Heater/Cathode (ppF)	c_{k-h}	0.7		
• With no external shield.				
DIMENSIONS				
Maximum Overall Length (mm)		54		
Maximum Diameter (mm)		19		
MOUNTING POSITION - Unrestricted.				
NOTE The Resonant frequency of this valve is approximately 1,000 Mc/s. with no external shield.				

October 1948

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Issue 1/6

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I.D.13

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TYPICAL OPERATION (with Condenser Input Filter)

Anode Voltage (volts R.M.S)

117

1.0.13

Filter Input Condenser (µF)

2.0

Minimum Total Effective Anode/Supply Impedance (ohms)

0

BULB Clear

BASE B.7.G.



Viewed from free end of pins.

CONNEXIONS

Pin 1	Heater		h
Pin 2	Anode		а
Pin 3	Cathod e		k
Pin 4	-		-
Pin 5	Internal Connexion	•	1.c
Pin 6	Anode		а
Pin 7	Heater		h

• This pin must be left free.

October 1948

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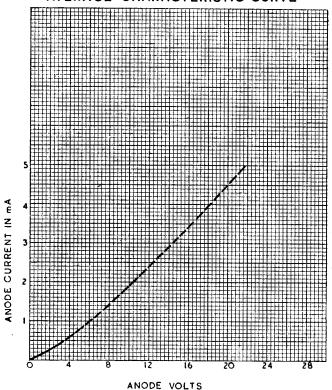
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10.13

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BATTERY R.F. DIODE Indirectly heated

AVERAGE CHARACTERISTIC CURVE



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