



**RADIO MANUFACTURERS ASSOCIATION
ENGINEERING DEPARTMENT**

Release No. 519

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sponsor:
Chatham Electronics

TYPE 1Y2

HIGH VACUUM HALF WAVE RECTIFIER

GENERAL CHARACTERISTICS

ELECTRICAL

Thoriated Tungsten Filament	
Voltage	1.5 volts
Current	290 M.A.
Heating Time	Filament and plate voltage
	may be applied at the same time.
Approximate Tube Voltage Drop(Ip = 8 MA)	100 volts

MECHANICAL

Type of Cooling	Convection
Temperature Limits	-75°C to + 50°C

Mounting Position

Base	Any
Cap	Small 4 pin
Base Connections	Small metal
	Pin #1 -- Filament
	Pin #2 -- No Connection
	Pin #3 -- No Connection
	Pin #4 -- Filament
	Cap -- Plate
	4P

Basing

Maximum Overall Dimensions	
Length - Maximum	4 19/32"
Minimum	4 11/32"
Diameter-Maximum	1 9/16"

MAXIMUM RATINGS

Peak Inverse Voltage	50,000 volts
Peak Anode Current	10 M.A.
Average Anode Current	2 M.A.
Maximum Frequency of Supply Voltage	1000 K.C.
Minimum Frequency of Supply Voltage	Zero

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