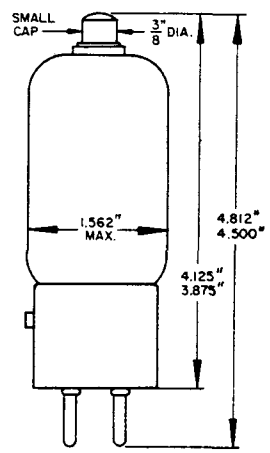
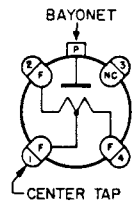
TYPE RK-3B24W

The RK3B24W is a half-wave, high vacuum rectifier tube with a thoriated tungsten filament. The tube may be operated with either half of the filament functioning separately, or with the two halves connected in series or parallel. When operating with half the filament energized, it is equivalent to the older type RK-72 diode. Convection cooling is normally used with this tube. As is the case with most other electrical components, operation of the RK3B24W at or near its maximum ratings is not conductive to long life, economy or reliability.





MECHANICAL DATA

ENVELOPE: T-12 Glass

BASE: Medium 4-Pin Bayonet, Phenolic Low-Loss, A 4-10

TERMINAL CONNECTIONS:

Pin 1 Filament Center Tap	Pin 4 Filament
Pin 2 Filament	Cap Plate
Pin 3 No Connection	

MOUNTING POSITION: Any

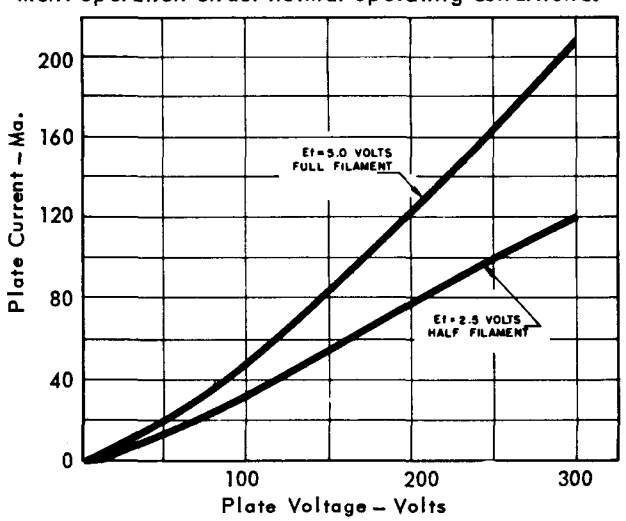
ELECTRICAL DATA

RATINGS ABSOLUTE-MAXIMUM VALUES:

	HF	FF	
Heater Voltage	2.5 ± 5%	5.0 ± 5%	volts
Peak Inverse Voltage	20000	20000	volts
Peak Plate Current	150	300	ma
Average Plate Current	30	60	ma
HEATER CHARACTERISTICS:			
Heater Voltage	2.5	5.0	volts
Heater Current	3.0	3.0	amps
Preheat Time	2	2	seconds

VOLTAGE CHARACTERISTICS

Figure 1 shows graphically the voltage characteristics on average tubes for both half and full filament operation under normal operating conditions.



Tentative Data