EITEL-McCULLOUGH, INC.
SAN BRUNO, CALIFORNIA

HIGH-VACUUM RECTIFIER

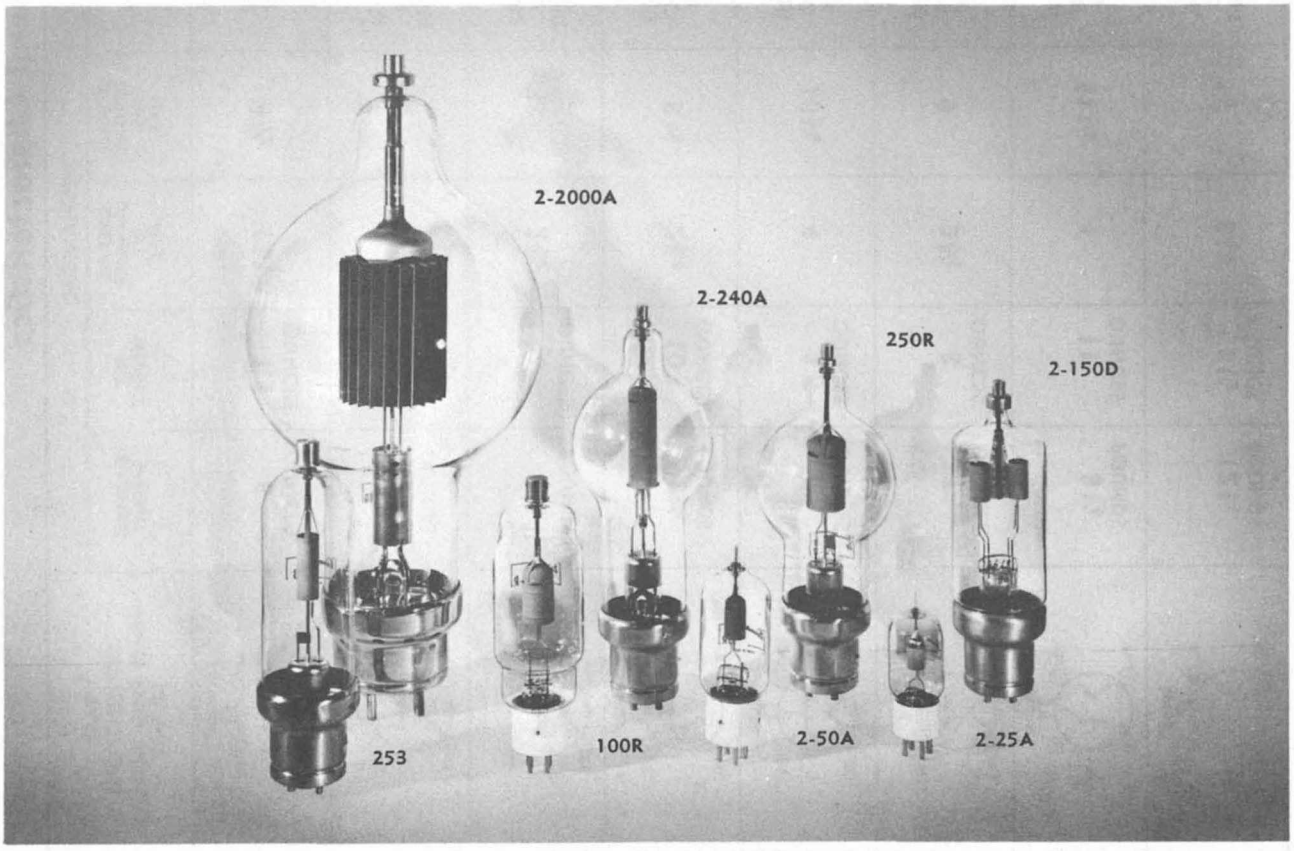
SUMMARY

Summarized here are data on eight Eimac high vacuum rectifiers. The comprehensive series of tubes permits a choice of "per-tube" maximum ratings of D-C plate current from 50 ma. to 750 ma. and of maximum inverse plate voltage ratings from 15,000 to 75,000 volts.

Eimac high vacuum rectifiers can be operated in a variety of rectifying circuits and voltage multiplying circuits. By proper choice of circuit, considerably greater D-C output current and D-C output voltage can be had than is indicated by the ratings of the individual tubes. Also higher D-C current values can be had by simple parallel operation of the tube. No inherent difficulties are met in parallel operations because of the constancy of tube characteristics and freedom from the "uncertain firing voltage" found in gas and mercury vapor rectifiers.

The filaments of the Eimac high vacuum rectifiers reach operating temperature almost at once and therefore the plate voltage may be applied simultaneously with the filament voltage.

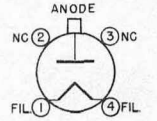
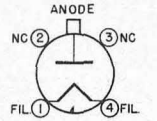
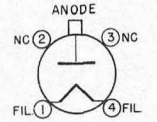
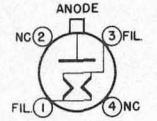
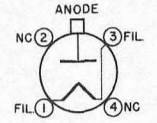
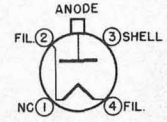
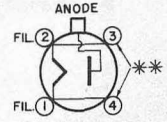
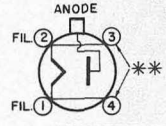
Eimac high vacuum rectifiers possess several advantages as compared with gas filled types because they will operate at higher voltages and higher frequencies and do not generate radio-frequency transients. They have no lower limit to the ambient operating temperature. The upper ambient operating temperature is limited solely by the need to keep seal and bulb temperatures below about 200°C. Full voltage ratings apply at all temperatures.



Detailed data sheets for individual rectifier tubes, giving complete operating procedures and applications, may be obtained by writing Eitel-McCullough, Inc.

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EIMAC HIGH VACUUM RECTIFIERS : General Characteristics

TYPE	ELECTRICAL					MECHANICAL					BASE CONNECTIONS VIEWED FROM UNDERSIDE OF BASE
	AV. PLATE CURRENT MA. MAX.*	PLATE DISSIPATION WATTS MAX.	PEAK INVERSE VOLTAGE VOLTS MAX.	FILAMENT VOLTAGE VOLTS	FILAMENT CURRENT AMPERES	BASE	OVERALL LENGTH INS. MAX.	OVERALL DIAMETER INS. MAX.	NET WEIGHT	SHIPPING WEIGHT	
2-25A	50	15	25,000	6.3	3.0	SMALL 4 PIN	4 1/2	1 1/2	1.5 OUNCES	6 OUNCES	
2-50A	75	30	30,000	5.0	4.0	MEDIUM 4 PIN BAYONET	5 3/4	2	2.5 OUNCES	9 OUNCES	
100R	100	60	40,000	5.0	6.5	MEDIUM 4 PIN BAYONET	8	2 3/8	4 OUNCES	1 POUND	
2-150D	150	90	30,000	5.0	13.0	SKIRTED JUMBO 4 PIN	8 7/8	2 3/4	10 OUNCES	1 1/4 POUNDS	
250R	250	150	60,000	5.0	10.5	SKIRTED JUMBO 4 PIN	10 1/4	4	1.5 OUNCES	6 OUNCES	
253	350	100	15,000	5.0	10.0	SKIRTED JUMBO 4 PIN	9	2 3/4	8 OUNCES	17 OUNCES	
2-240A	500	150	40,000	7.5	12.0	SKIRTED JUMBO 4 PIN	11 1/4	4	11 OUNCES	3 1/4 POUNDS	
2-2000A	750	1,200	75,000	10.0	25.0	SPECIAL 4 PIN No. 5006B	18	8 1/4	3 1/2 POUNDS	12 3/4 POUNDS	

*MAXIMUM FOR INDUCTIVE INPUT FILTERS. FOR CAPACITOR INPUT FILTER CIRCUITS SEE INDIVIDUAL DATA SHEETS

**TERMINALS 2 and 3 and 1 and 4 MUST BE PARRALLEL CONNECTED ON SOCKET.

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