

RADIO MANUFACTURERS ASSOCIATION



SUITE 701-4 AMERICAN BUILDING
1317 F STREET, N. W.
WASHINGTON, D. C.

RMA SUB-COMMITTEE ON TUBE LIMITS

STUART W. SEELEY, CHAIRMAN
711 FIFTH AVENUE
NEW YORK, N. Y.

July 16, 1936

Re: RMA Tube Standardization
Release #71 re Rectifier
Tube Voltage Drop Rating

To Tube Engineers:

Attached is a tabulation of the replies made to the Sub-Committee on Tube Limits on the question of internal drop in rectifier type tubes. In the last column values of tube drop are given which the committee feels are sufficiently representative to warrant their consideration as tentative standards. In some of the types the value arrived at is the average of all the results reported. In others, in which a single company has reported a value considerably out of line with the others, this particular value was not used in averaging the results. It is believed that averages arrived at in this manner will be more satisfactory to all concerned.

Several companies enclosed comments and suggestions with their data. The committee appreciates the interest shown by these members, and all such comments received careful consideration. The primary thought in attempting to standardize on this matter was to give some simple means of comparing the performance of tubes of different manufacture, rather than to give data which may be used to precisely determine the choice of tube type for a given service or to be used in the design of a rectifier system. It is felt that the results obtained meet this criterion. The suggestions forwarded to the Committee in most cases concerned changing the method of rating tube drop to meet the objections indicated above.

RMA tube data sheets will include this rating in the future. Since these sheets undergo periodic revision, objections to the enclosed proposals will be considered and the necessary action taken before the revision is made.

Very truly yours,

Chairman
Tube Limits

C. J. COCHRAN

Handwritten notes and markings at the top left of the page.

PROBABILITY OF FAILURE OF ...

		1	2	3	4	5	6	7	
101	125	77.	60.		56	63.5	55.6	59	60 60
102	170	150.	75.			81.	65.3	57	61 91
103	100	55.3	32.5	75		32.5	35.7	27	5 75
104	75	25.	30.		17.5	20.0	20.1	25	2 77
105	100								
106	300	25.3		15					5
107	110	61.3	52.			36.			20
108	110	77.	52.		40.	53.5	51.6	47	61 91
109	150	76.5	70.	35	39.	62.	50.3	35	1 61
110	115	62.	40.		17.	18.5	27.3	20	20 78
111	75	31.5	21.		25.	29.	23.0	24	20 77
112	40								
113	50		15.						15
114	120	11.5	18.		16.	17.	11.1	20	14
115	60						13.3		13
116	170	44.7		43	45.			27	24
117	170	60.3	33.5	13	20.	22.5	23.4	27	22
118	170	76.5	25.		20.	25	25.1	27	25
119	100		24.			21.			23
120	60				15				15