

February 25, 1948

WESTINGHOUSEX-RAY TUBE DATA SHEETElectron Tube Type 5534GENERAL

## Electrical Data

Filament Current Range  
Filament Voltage Range3.5 to 5.5 Amperes  
3.5 to 10 Volts

## Mechanical Data

Type of Cooling  
Focal Spot Size  
Projected length  
Width  
Base Description  
Maximum Overall Dimensions  
Outline Drawing Number  
Mounting PositionAir  
4.2 mm  
4.2 mm  
G2-2  
15-1/4 x 3-13/16 Inches  
5534  
AnyMAXIMUM RATINGSHeat Capacity  
Continuous Rating150,000 \*Heat units  
12,000 Heat units  
per minuteMaximum Fluoroscopic Rating at a Loading  
of 425 (KV x MA)\*\*10 Minutes

	<u>Full Wave</u>	<u>Half Wave</u>	<u>Self-rectified</u>		<u>Units</u>
			<u>Inverse</u>	<u>Useful</u>	
Peak plate voltage	100	100	100	90	Kilovolts
Value of D-C average current at maximum voltage rating	68	45	-	34	Milliamps.
Allowable time of operation under above conditions	1/20	1/20	-	1/20	Second

Table of short-time ratings which are given as the product of peak kv useful times D-C average milliamperes.

<u>Time</u>	<u>Full Wave</u>	<u>Half Wave</u>	<u>Self-rectified</u>
0.1 Sec.	18250	13000	8700
1 "	11800	9600	6900
5 "	8100	7300	5650
30 "	3400	3400	3400

\*Heat units are defined as the product of the peak voltage in kilovolts, D-C average current in milliamperes, and the exposure time in seconds, and is proportional to energy.

\*\*KV x MA is defined as the product of Peak KV times D-C average MA and is proportional to power.

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## RMA TYPES 5532, 5533, 5534

