

February 25, 1948

WESTINGHOUSEX-RAY TUBE DATA SHEETElectron Tube Type 5533GENERAL

Electrical Data

Filament Current Range
Filament Voltage Range

<u>3.5 to 5.5</u>	Amperes
<u>3.5 to 10</u>	Volts

Mechanical Data

Type of Cooling
Focal Spot Size
Projected length
Width
Base Description
Maximum Overall Dimensions
Outline Drawing Number
Mounting Position

<u>Air</u>	
<u>3.0</u>	mm
<u>3.0</u>	mm
<u>G2-2</u>	
<u>15-1/4 x 3-13/16</u>	Inches
<u>5533</u>	
<u>Any</u>	

MAXIMUM RATINGSHeat Capacity
Continuous Rating

<u>150,000</u>	*Heat units
<u>12,000</u>	Heat units per minute

Maximum Fluoroscopic Rating at a Loading
of 425 (KV x MA)**

<u>10</u>	Minutes
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	<u>Full Wave</u>	<u>Half Wave</u>	<u>Self-rectified</u> <u>Inverse</u> <u>Useful</u>	<u>Units</u>
Peak plate voltage	100	100	100 90	Kilovolts
Value of D-C average current at maximum voltage rating	68	45	- 34	Milliamperes.
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.	10800	7400	4950
1 "	7600	5900	4150
5 "	5900	4800	3600
30 "	3400	3300	2740

*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

