

February 25, 1948

WESTINGHOUSEX-RAY TUBE DATA SHEETElectron Tube Type 5533GENERAL

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
3.0 mm
3.0 mm
G2-2
15-1/4 x 3-13/16 Inches
5533
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.	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

