

July 15, 1950

WESTINGHOUSE ELECTRIC CORPORATION

X-RAY TUBE DATA SHEET

Electron Tube Type 5601

GENERAL

Electrical Data

Filament current range	3.5 to 5.5	Amperes
Filament voltage range	3.5 to 10	Volts

Mechanical Data

Type of cooling	Oil	
Maximum oil temperature	200	°F
Focal spot size		
Projected length	4.2	mm
Width	4.2	mm
Outline drawing number	5601	
Mounting position	Any	

MAXIMUM RATINGS

Heat capacity	150,000	*Heat units
Continuous rating	25,000	Heat units per minute

Maximum fluoroscopic rating at a loading of 425 (kv x ma)**	Continuous	Minutes
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	<u>Full Wave</u>	<u>Half Wave</u>	<u>Self-rectified</u> <u>Inverse Useful</u>	<u>Units</u>
Peak plate voltage	125	100	100 90	Kilovolts
Value of dc average current at maximum voltage rating for 1/20 second	125	140	- 103	Milliamps.

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

<u>Time</u>	<u>125 KV Peak</u> <u>Full Wave</u>	<u>100 KV Peak</u> <u>Half Wave</u>	<u>90 KVP Useful</u> <u>Self-rectified</u>
0.1 Sec.	13700	13000	8740
1 Sec.	8900	9650	6870
5 Sec.	6090	7300	5560
30 Sec.	2550	3400	3400

*Heat units are defined as the product of the peak voltage in kilovolts, dc 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 dc average ma and is proportional to power.

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X-RAY TUBE OUTLINES

TYPES 5599, 5600, 5601, & 5602

