

July 15, 1950

WESTINGHOUSE ELECTRIC CORPORATIONX-RAY TUBE DATA SHEET

Electron Tube Type 5600

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	3.0	mm
Width	3.0	mm
Outline drawing number	5600	
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	72	79	- 58	Milliamps.

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

Time	125 KV Peak <u>Full Wave</u>	100 KV Peak <u>Half Wave</u>	90 KVP Useful <u>Self-rectified</u>
0.1 Sec.	7970	7440	4960
1 "	5750	5915	4150
5 "	4460	4850	3590
30 "	2550	3330	2760

*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.

WESTINGHOUSE ELECTRIC CORPORATION

X-RAY TUBE OUTLINES

TYPES 5599, 5600, 5601, & 5602

