

4/20/49

WESTINGHOUSE
X-RAY TUBE DATA SHEET
ELECTRON TUBE TYPE 5745.

Westinghouse Developmental Number 394.

GENERAL

Electrical Data

Filament Current Range
Filament Voltage Range

1.6 - 2.5 Amps.
2.4 - 3.5 Volts

Mechanical Data

Type of Cooling
Focal Spot Size
Projected Length
Width
Maximum Overall Length
Outline Drawing Number
Mounting Position

Oil
1.5 mm.
1.5 mm.
5 Inches
60039D
Any

MAXIMUM RATINGS

Heat Capacity
Continuous Rating

20,000 *Heat Units
15,000 Heat Units
Per Minute

Maximum Fluoroscopic Rating at a
Loading of 850 (KV x MA)**

1,000 Seconds

	Self-Rectified Inverse	Self-Rectified Useful	Units
Peak Plate Voltage	75	70	Kilovolts
Value of DC Average Current of Maximum Voltage Rating	-	15	Milliamperes
Allowable Time of Operation Under Above Conditions	-	18	Seconds

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

<u>Time</u>	<u>Self-Rectified</u>
20 Seconds	990
30 Seconds	720
100 Seconds	320

* 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.

RMA TYPE 5745, 5746

