

4/29/49

WESTINGHOUSE
X-RAY TUBE DATA SHEET
ELECTRON TUBE TYPE 5747.

Westinghouse Developmental Number 392.GENERALElectrical Data

Filament Current Range

1.6 - 2.5 Ampe.

Filament Voltage Range

4.2 - 6.5 VoltsMechanical Data

Type of Cooling

Oil

Focal Spot Size

Projected Length

1.5 mm.

Width

1.5 mm.

Maximum Overall Length

5-21/32 Inches

Outline Drawing Number

60057D

Mounting Position

AnyMAXIMUM RATINGS

Heat Capacity

25,000 *Heat Units

Continuous Rating

21,000 Heat Units
Per MinuteMaximum Fluoroscopic Rating at a
Loading of 350 (KV x MA)**Continuous to Heat
Capacity of Head

	Self-Rectified Inverse	Self-Rectified Useful	Units
Peak Plate Voltage	85	80	Kilovolts
Value of DC Average Current of Maximum Voltage Rating	-	10	Milliamperes
Allowable Time of Operation Under Above Conditions	-	1	Second

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>
1 Second	1520
3 Seconds	1440
10 "	1350
30 "	950
100 "	415

* 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 5747,5748

