4/29/49

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

Westinghouse Developmental Number 393.

GENERAL

Electrical Data		
Filament Current Range	1.8 - 2.5	Amps.
Filament Voltage Range	4.2 - 6.5	Volts
Mechanical 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	600579	
Mounting Position	Any	

MAXIMUM RATINGS

Heat Capacity	25,000	*Heat Units
Continuous Rating	21,000	Heat Units Per Minute
Maximum Fluoroscopic Rating at a Loading of 550 (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

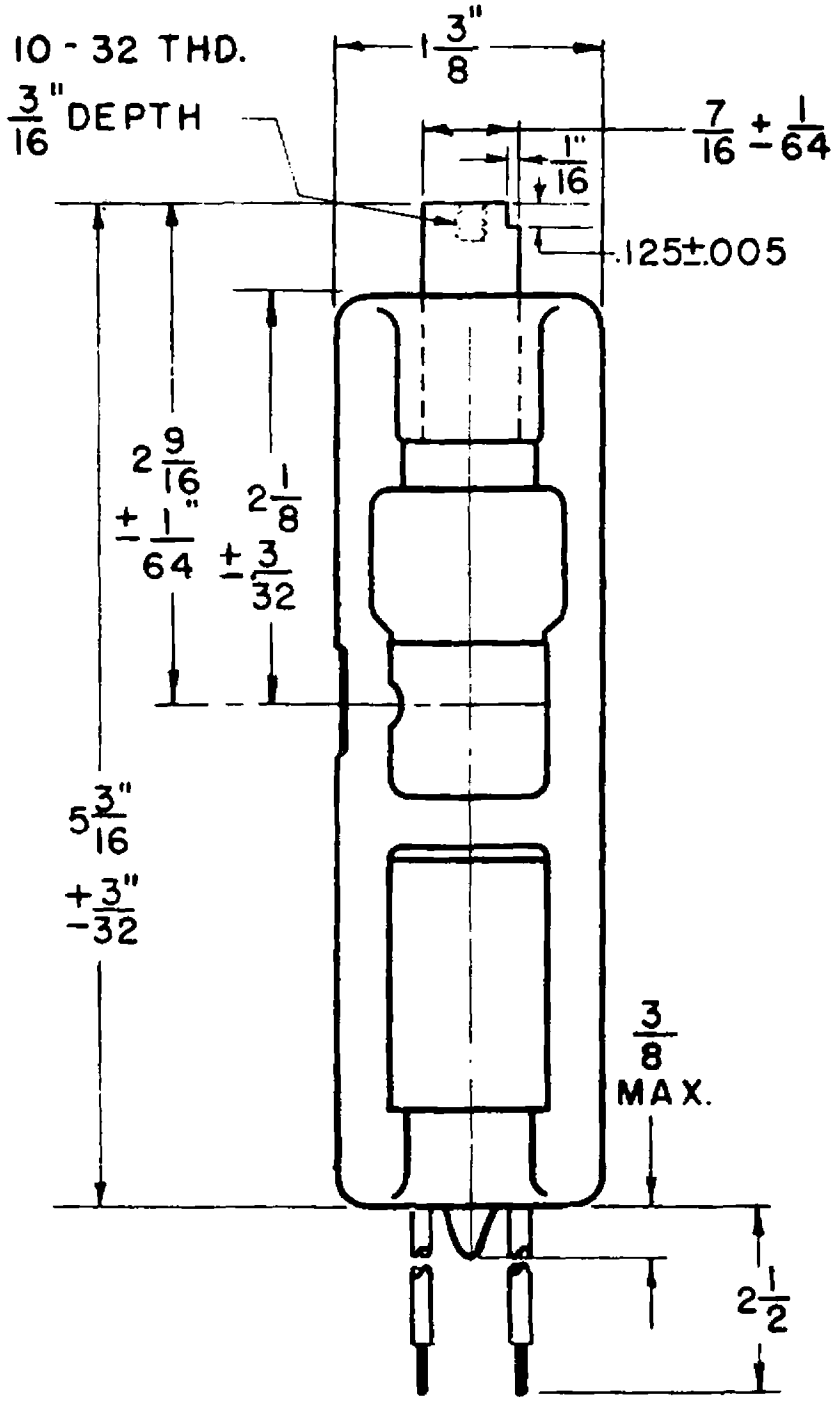
Table of short-time ratings which are given as the product of peak useful KV times DC average milliamperes.

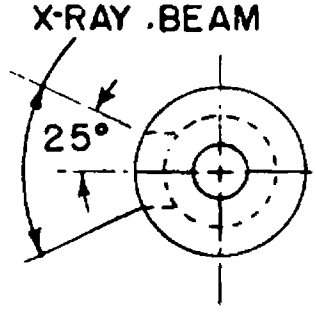
Time	Self-Rectified
1 Second	1520
3 Seconds	1440
10 "	1350
30 "	950
100 "	415

* 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





ANGLE OF TARGET-20°