from RMA release # 683, Aug. 2, 1948
& release # 683A, Dec. 14, 1948

6/23/48

WESTINGHOUSE

X-RAY TUBE DATA SHEET

Electron Tube Type 5523

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	~~Air~~ Oil	
Focal Spot Size		
Projected Length	4.2	mm.
Width	4.2	mm.
Base Description	None	
Maximum Overall Dimensions	8-3/16 x 2-7/16	Inches
Outline Drawing Number	60011	
Mounting Position	Any	

MAXIMUM RATINGS

Heat Capacity	100,000	*Heat Units
Continuous Rating	30,000	Heat Units Per Minute
Maximum Fluoroscopic Rating at a Loading of 425 (KV x MA)**	Continuous to Heat Capacity of Head	

	Full Wave	Half Wave	Self-Rectified Inverse	Self-Rectified Useful	Units
Peak Plate Voltage	100	100	100	90	Kilovolts
Value of D-C Average Current at Maximum Voltage Rating	169	139	-	103	Milliamps
Allowable Time of Operating Under Above Conditions	1/20	1/20	-	1/20	Second

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

Time	***Full Wave	Half Wave	Self-Rectified
0.1 Sec.	18250	13000	8700
1 "	11800	9600	6900
5 "	8100	7300	5650
30 "	3400	3400	3400

*Heat units are defined as the product of the peak voltage in kilovolts, D-C average current in milliamperes, and the exposure time in seconds, and is propor- to energy.

**KV x MA is defined as the product of peak KV times D-C average MA and is proportional to power.

***Ratings are for 100 KV peak plate voltage.

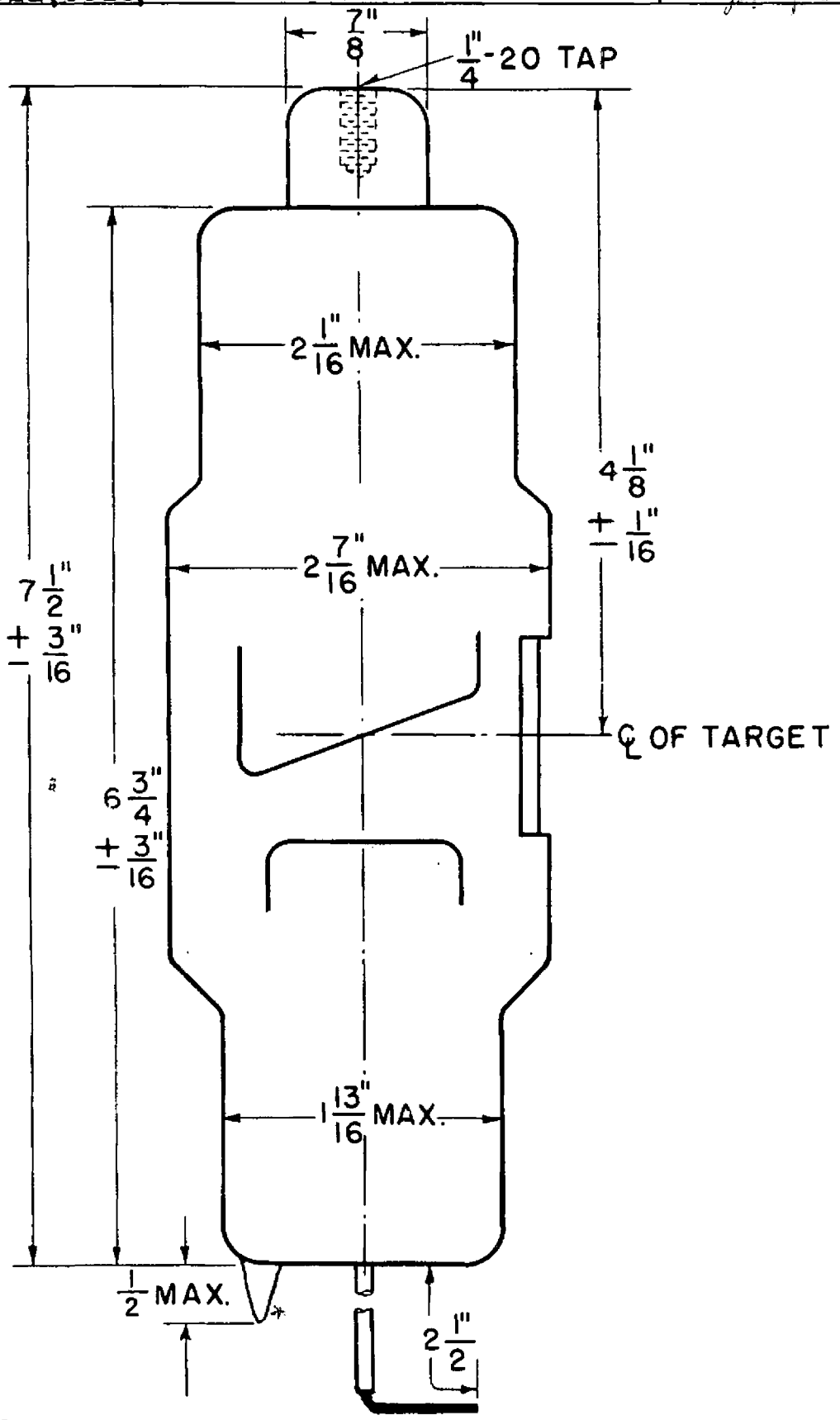
WESTINGHOUSE ELECTRIC CORPORATION
LAMP DIVISION
SPECIFICATIONS AND STANDARDS DEPT.

60011 C

COMMERCIAL OUTLINE

A | S. TAYLOR

5519, 5521, 5522, 5523,



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