## WESTINGHOUSE

RMA Release 640

X\_RAY TUBE DATA SHEET

February 25, 1948

## Electron Tube Type 5536

## GENERAL

Mechanical Data Type of Cooling Focal Spot Size Projected length Vidth Base Description Maximum Overall Dimensions Outline Drawing Number Mounting Position  MAXIMUM RATINGS  Heat Capacity Continuous Rating  Maximum Fluoroscopic Bating at a Loading	Electrical Data					
Mechanical Data Type of Cooling Focal Spot Size Projected length Vidth Base Description Maximum Overall Dimensions Cutline Drawing Number Mounting Position  MAXIMUM RATINGS  Heat Capacity Continuous Rating  Maximum Fluoroscopic Rating at a Loading	Filement Current	Renge		-		
Type of Cooling Focal Spot Size Projected length Vidth  Base Description Maximum Overall Dimensions Outline Drawing Number Mounting Position  MAXIMUM RATINGS  Heat Capacity Continuous Rating  Maximum Fluoroscopic Rating at a Loading	Filsment Voltage	Range			3.5 to 10	Volts
Focal Spot Size Projected length Vidth  Base Description Maximum Overall Dimensions Outline Drawing Number Mounting Position  MAXIMUM RATINGS  Heat Capacity Continuous Rating  Maximum Fluoroscopic Rating at a Loading	Mechanical Data					
Projected length Vidth 2,1 mm  Base Description Maximum Overall Dimensions Outline Drawing Number Mounting Position  MAXIMUM RATINGS  Heat Capacity Continuous Rating  Maximum Fluoroscopic Rating at a Loading	Type of Cooling				Air	
Base Description  Base Description  Maximum Overall Dimensions Outline Drawing Number  Mounting Position  MAXIMUM RATINGS  Heat Capacity Continuous Rating  Maximum Fluorescopic Rating at a Leading	Focal Spot Size					
Base Description  Maximum Overall Dimensions  Outline Drawing Number  Mounting Position  MAXIMUM RATINGS  Heat Capacity  Continuous Rating  Maximum Fluoroscopic Rating at a Loading  G2_2  16-3/8 x 3-13/16  Inches  5536  Any  *Heat units  per minute		.ength				16/2
Maximum Overall Dimensions Outline Drawing Number Mounting Position  MAXIMUM RATINGS  Heat Capacity Continuous Rating  Maximum Fluoroscopic Rating at a Loading  16-3/8 x 3-13/16  5536 Any  Heat units Fluoroscopic Rating at a Loading					2,1	<u> </u>
Outline Drawing Number  Mounting Position  MAXIMUM RATINGS  Heat Capacity Continuous Rating  Maximum Fluoroscopic Rating at a Loading  5536  Any  *Heat units Feat units per minute						<del></del>
Mounting Position  MAXIMUM RATINGS  Heat Capacity Continuous Rating  Maximum Fluoroscopic Rating at a Loading  Any  *Heat units For minute				<u> 16</u>		.3/16 Inches
Heat Capacity Continuous Rating  Maximum Fluoroscopic Rating at a Loading  *Heat units per minute	<del>_</del>		-		<del></del>	
Heat Capacity Continuous Rating  Z70,000 Heat units 15,000 Heat units per minute  Maximum Fluoroscopic Rating at a Loading	Mounting Position	L			Any	<del></del>
Continuous Rating  15,000  Heat units per minute  Maximum Fluoroscopic Rating at a Loading	MAXIMUM RATINGS					
Continuous Rating  15,000  Heat units per minute  Maximum Fluoroscopic Rating at a Loading	Heat Camedity				270,000	*Hest units
Maximum Fluoroscopic Rating at a Loading				<del></del>		<del></del>
of 425 (EV x MA)** Ninutes	of 425 (EV x MA)**				20	Minutes
Self-rectified				Self-rec	tified	
Full Wave Half Wave Inverse Useful Units		Full Vave	Half Wave	Inverse	Useful	<u>Units</u>
Peak plate voltage 100 100 100 90 Kilovolte	Peak plate voltage	<b>1</b> 00	100	100	90	Kilovolte
Value of D-C average	<b>—</b>					
current at maximum		<b>6</b>	١		<b>~1</b> .	
voltage rating 68 45 - 34 Milliamps.	voltage rating	68	45	-	34	Milliamps.
Allowable time of	Allowable time of					
operation under	eperation under					
above conditions 1/20 1/20 - 1/20 Second	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.

Tine	Full Wave	Half Wave	Self-rectified
0.1 Sec.	6200	14225	2940
1 "	4800	3400	2575
5 "	3920	2675	2330
<b>30</b> "	3020	2250	1970

<sup>\*</sup>Heat units are defined as the product of the peak voltage in kilevolts, D-C average current in milliamperes, and the exposure time in seconds, and is proportional to energy.

<sup>\*\*</sup> KV x MA is defined as the product of Peak KV times D.G average MA and is propertional to power.

## RMA TYPE\$ 5536, 5537, 5538

