

July 15, 1950

WESTINGHOUSE ELECTRIC CORPORATION

Superficial Therapy X-Ray Tube Data

Electron Tube Type 5711

The 5711 tube is an oil-cooled x-ray tube designed for superficial therapy service.

GENERAL

Electrical Data

Filament current range	3.5 to 4.7	Amperes
Filament voltage range	3.0 to 6.0	Volts

Mechanical Data

Type of cooling	Forced oil	
Focal spot size		
Target angle	45	Degrees
Projected length	9.5	mm
Width	3.5	mm
Outline drawing number	5711	
Operating position	Any	

MAXIMUM RATINGS

Maximum filament current for continuous operation	4.5	Amperes
Minimum flow of cooling oil	1-1/2	gpm
Maximum cooling oil temperature	122	°F
Maximum voltage on full wave and two valve half wave generators	120	KVP
Maximum voltage on self-rectified generator,	100 KVP Useful, 110 KVP Inverse	
Continuous ratings in dc average milliamperes:		

Maximum Voltage	Ambient Temp. to 80°F	Ambient Temp. to 90°F	Ambient Temp. to 100°F
120 KVP	15.0 ma	12.5 ma	10 ma
110 KVP	16.4 ma	13.5 ma	11 ma
100 KVP	18.0 ma	15.0 ma	12 ma

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