WESTINGHOUSE ELECTRIC CORPORATION

Superficial Therapy X-Ray Tube Data

Electron Tube Type 5712

The 5712 tube is a therapy tubehead designed for superficial therapy service. The tubehead contains an oil-cooled insert tube type 5711.

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	5712	
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
Oil pressure drop across tubehead, approx.	28	psi
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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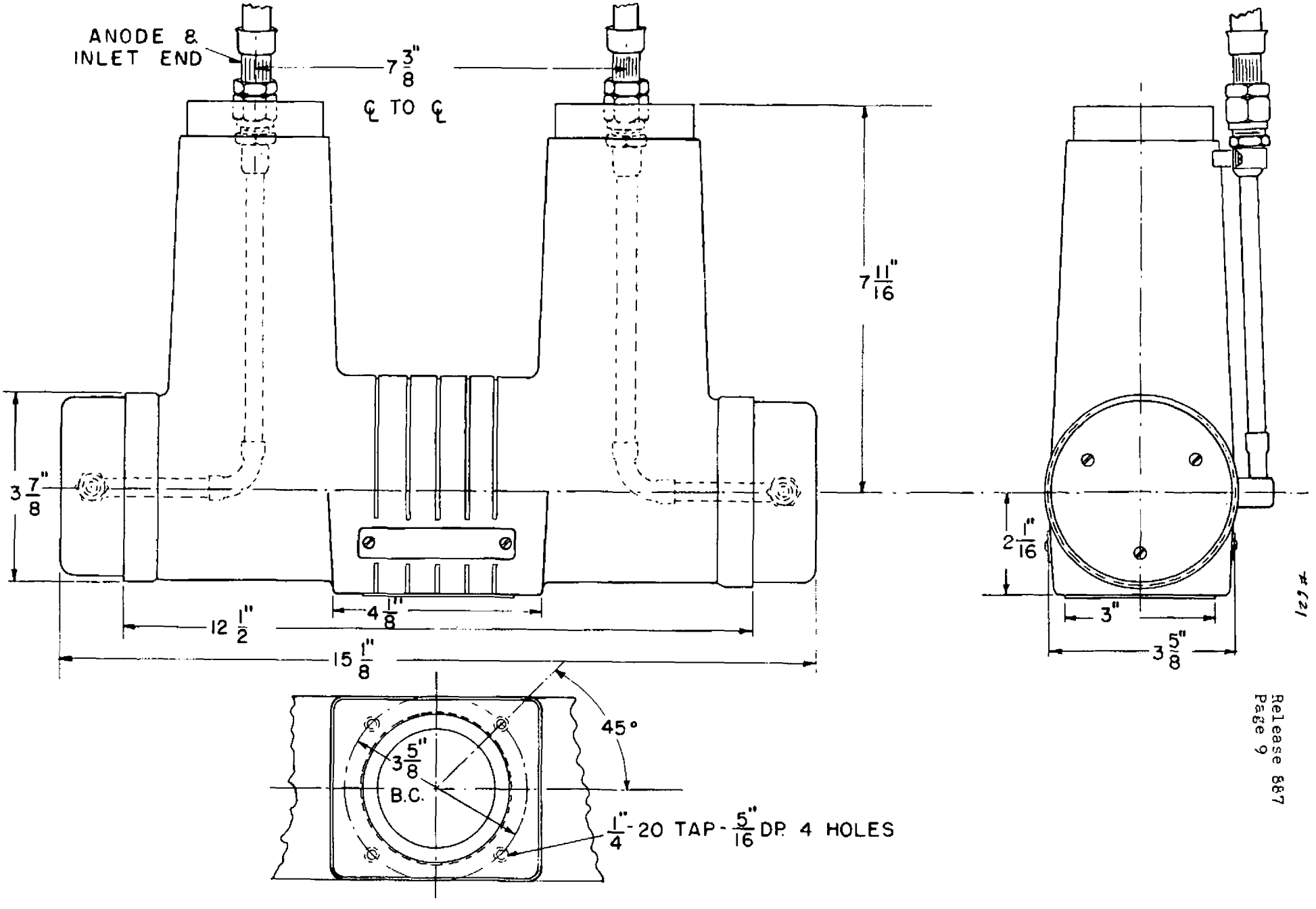
6-28-50

X-RAY TUBE

TUBE TYPE 5712



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