



ELECTRONIC TUBE REFERENCE

5523

Specialized - X-Ray Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
XRAY

Westinghouse diagnostic X-ray tube with a 4.2 mm focal spot, air/oil cooling, and peak plate-voltage ratings to approximately 100 kV.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 XRay	
MAXIMUM PLATE VOLTAGE	100000 V
<i>Published ratings and characteristics promoted where clearly applicable; additional source values retained as section parameters.</i>	

Westinghouse X-ray tube with 4.2 mm focal spot specification for diagnostic/fluoroscopic high-voltage service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Westinghouse

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1947 WESTINGHOUSE

Section 1 · XRay

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage range	3.5–10 V	Published
Filament current range	3.5 A–5.5 A	Published
Cooling	Air/oil	Published
Focal spot size	4.2 mm	Projected size

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heat capacity	100000 heat unit	Published
Continuous rating	30000 heat unit/min	Published
Peak plate voltage	100 kV	Highest published full-wave/self-rectified value

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