ELECTRONIC TUBE REFERENCE

5533

Specialized - X-Ray Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
XRAY

Air-cooled Westinghouse diagnostic X-ray tube with a 3.0 mm focal spot and approximately 100 kV peak plate-voltage capability.

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

SECTION1 XRay

MAXIMUM PLATE VOLTAGE	100000 V

Published ratings and characteristics promoted where clearly applicable; additional source values retained as section parameters.

Westinghouse X-ray tube with 3.0 mm focal spot specification for diagnostic/fluoroscopic high-voltage service.

SOURCE OPERATING CONDITIONS

1947 Westinghouse

SOURCE PDF

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**	Published
Focal spot size	**3.0 mm**	Projected size

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heat capacity	**150000 heat unit**	Published
Continuous rating	**12000 heat unit/min**	Published
Peak plate voltage	**100 kV**	Highest published full-wave/self-rectified value

Tube Tinker

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