ELECTRONIC TUBE REFERENCE

B210D

Specialized - X-Ray Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
XRAY

Demountable water-cooled copper-target X-ray tube with replaceable filament and window, rated to 40 kV and 400 W for low-voltage radiography.

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	40000 V
MAXIMUM PLATE DISSIPATION	400 W

Promoted fields were populated only where the Ferranti sheet maps cleanly to the locked schema; additional ratings and operating values are retained in TUBE_SECTION_PARAMETER.

Demountable water-cooled low-voltage copper-target X-ray tube with replaceable filament and window, rated to 40 kV and 400 W.

SOURCE OPERATING CONDITIONS

1963 Ferranti

SOURCE PDF

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

1963 FERRANTI

Section 1 · XRay

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Negative screen voltage magnitude maximum	**1400 V**	—
Filament current maximum	**3.5 A**	—
Filament current	**2 A**	—
Filament voltage	**6 V**	Approximate
Target voltage	**40000 V**	—
Screen voltage minimum	**-1400 V**	—
Screen voltage maximum	**0 V**	—

CHARACTERISTICS		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Spot size	**0.5 mm**	BeamCurrent=500uA
Spot size	**1 mm**	BeamCurrent=10mA

Tube Tinker

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