

Low-power copper-target X-ray tube for radiography of plastics and thin metals, with grid-controlled focus and operation to approximately 25 kV.

GENERAL CHARACTERISTICS

BASE DESIGNATION	International0ctal	BASE PINS	8
NOMINAL HEATER	– / –	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 XRay	
MAXIMUM PLATE VOLTAGE	25000 V
MAXIMUM PLATE DISSIPATION	25 W
<i>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.</i>	

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SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Ferranti

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
AC target voltage maximum	25000 V	50Hz
Intermittent target dissipation maximum	150 W	Max20s
Negative grid voltage magnitude maximum	1400 V	—
Filament current maximum	6 A	—
Target voltage	20000 V	DC;GridBias
Grid voltage	-250 V	DC;GridBias
Target voltage	15000 V	DC;AutoBias
Target current	1.5 mA	DC;AutoBias

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament current	5.8 A	—
Target voltage	15000 V	—
Grid bias	-150 V	—
Target current	1.2 mA	—

TUBE TINKER

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