



ELECTRONIC TUBE REFERENCE

A214

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Marconi oil-insulated high-voltage rectifier specifically designed for X-ray apparatus and radiographic supplies, with approximately 125 kV peak inverse-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 Rectifier	
PEAK INVERSE VOLTAGE	125000 V
NOMINAL OUTPUT CURRENT	50 mA
<i>Published maximum ratings and characteristics audited; remaining useful numerical data retained in TUBE_SECTION_PARAMETER.</i>	

The A214 is an oil-insulated high-voltage rectifier designed for X-ray apparatus, with continuous and intermittent radiographic service ratings.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
i Manual filament switching	300	i Manual filament switching 300 mA
ii Automatic filament boost	500	ii Automatic filament boost 500 mA
Load Current Ratings. The load rating values for the I	5 A	Load Current Ratings. The load rating values for the I-5"
The Filament Voltage Adjustment Chart is based on have a dielectric strength of at least	25000 V	The Filament Voltage Adjustment Chart is based on have a dielectric strength of at least 25,000 volts per
Continuous DC output current	50 mA	Full-wave bridge without condenser.
Peak inverse voltage	125000 V	Maximum rating.
Intermittent current - manual filament switching	300 mA	Usual radiographic exposure times.
Intermittent current - automatic filament boost	500 mA	Usual radiographic exposure times.