



ELECTRONIC TUBE REFERENCE

AH201

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Marconi hot-cathode mercury-vapor half-wave rectifier for high-voltage supplies, providing approximately 11 kV inverse-voltage capability and moderate current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	25 V / 5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	11000 V
NOMINAL OUTPUT CURRENT	250 mA
PEAK FORWARD CURRENT	1 A
<i>Mercury-vapor rectifier; highest explicit rectifier ratings promoted.</i>	

The Marconi AH201 is a hot-cathode mercury-vapor rectifier for high-voltage rectifier service up to about 10 kv.

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
Filament voltage	25 V	—
Filament current	5 A	—
Peak inverse voltage	11000 V	—
Peak anode current	1 A	—
Average anode current	250 mA	—
Maximum DC output voltage	5 kV	3PhaseHalfWave
Maximum DC output current	750 mA	3PhaseHalfWave
Maximum DC output voltage	10 kV	3PhaseFullWave
Maximum DC output current	750 mA	3PhaseFullWave

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Mercury vapor	—
Cooling	Air blast / source-specified thermal control	—

TUBE TINKER

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