



ELECTRONIC TUBE REFERENCE

AH213

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Hot-cathode mercury-vapor half-wave rectifier, service type CV2723 and equivalent to 869B, for substantial high-voltage power conversion.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 20 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	20000 V
NOMINAL OUTPUT CURRENT	2.5 A
PEAK FORWARD CURRENT	10 A
WARM-UP TIME	120 s
Mercury-vapor rectifier; highest explicit rectifier ratings promoted.	

Hot-cathode mercury-vapour rectifier, service type CV2723, rated to 20 kV peak inverse voltage and 10 A peak current; electrically equivalent to 869B.

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	5 V	—
Filament current	19 A	—
Peak inverse voltage	16000 V	—
Peak anode current	14 A	—
Average anode current	3.5 A	—
Minimum pre-heating time	120 s	—
Maximum DC output voltage	15 kV	3PhaseFullWave
Maximum DC output current	10 A	3PhaseFullWave

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

TUBE TINKER

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and their source documents.

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