



ELECTRONIC TUBE REFERENCE

AH221

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Hot-cathode mercury-vapor half-wave rectifier, service types CV5/CV1435, intended for high-voltage power supplies with ampere-class output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 11 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	1.25 A
PEAK FORWARD CURRENT	5 A
WARM-UP TIME	60 s

Hot-cathode mercury-vapour rectifier, service types CV5 and CV1435, rated to 20 kV peak inverse voltage and 5 A peak current.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 English Electric Valve

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

1971 ENGLISH ELECTRIC VALVE

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Output Voltage	19 kV	ThreePhase; FullWave
DC Output Current	3.75 A	ThreePhase; FullWave

TUBE TINKER

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