



ELECTRONIC TUBE REFERENCE

CV1420

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Directly heated mercury-vapor half-wave rectifier for high-power industrial supplies. Its massive filament and low arc voltage provide several amperes at high voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	2
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	5 A
PEAK FORWARD CURRENT	20 A
FORWARD VOLTAGE DROP	12 V
Explicit alias/co-designation; values duplicated from the same approved source.	

Half-wave mercury-vapour rectifier; replacement for 4078A; ratings include quadrature filament excitation.

SOURCE OPERATING CONDITIONS

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Supply frequency	50 Hz	ChokeInputFilter
Minimum cathode heating time	1 min	Ambient>20C
Maximum fault anode current	50 A	—
Maximum fault-current duration	0.1 s	—

TUBE TINKER

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