



## ELECTRONIC TUBE REFERENCE

## CV1449

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

## 1 SECTION

CONSTRUCTION

## RECTIFIER

Directly heated mercury-vapor half-wave rectifier for high-voltage supplies. Its heavy filament and low arc voltage provide ampere-class current at multi-kilovolt potentials.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 4             |
| NOMINAL HEATER      | 5 V / 7.25 A      | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                 |         |
|---------------------------------------------------------------------------------|---------|
| SECTION 1 Rectifier                                                             |         |
| PEAK INVERSE VOLTAGE                                                            | 10000 V |
| NOMINAL OUTPUT CURRENT                                                          | 1.25 A  |
| PEAK FORWARD CURRENT                                                            | 5 A     |
| FORWARD VOLTAGE DROP                                                            | 14 V    |
| Explicit alias/co-designation; values duplicated from the same approved source. |         |

Half-wave mercury-vapour rectifier.

## 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           | —                |