



## ELECTRONIC TUBE REFERENCE

## AG5014

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

## 1 SECTION

CONSTRUCTION

## RECTIFIER

AEG directly heated mercury-vapor hot-cathode half-wave rectifier for industrial power conversion, combining high voltage with ampere-class DC output.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 5 V / 7 A         | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                        |         |
|------------------------|---------|
| SECTION 1 Rectifier    |         |
| PEAK INVERSE VOLTAGE   | 13500 V |
| NOMINAL OUTPUT CURRENT | 1.5 A   |
| PEAK FORWARD CURRENT   | 6 A     |
| FORWARD VOLTAGE DROP   | 10 V    |

Mercury-vapour hot-cathode rectifier.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1953 AEG

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

1953 AEG

## Section 1 · Rectifier

**CONSTRUCTION**

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|-----------|-----------------|------------------|
| Filling   | Mercury vapour  | —                |

**OTHER**

| PARAMETER             | PUBLISHED VALUE | CONDITION / NOTE |
|-----------------------|-----------------|------------------|
| Maximum surge current | 50 A            | 0.1s             |

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