



ELECTRONIC TUBE REFERENCE

AG866A

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

AEG directly heated mercury-vapor high-voltage half-wave rectifier for medium-power installations, providing approximately 10 kV inverse-voltage capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	2.5 V / 5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	10000 V
NOMINAL OUTPUT CURRENT	250 mA
PEAK FORWARD CURRENT	1 A
FORWARD VOLTAGE DROP	15 V
WARM-UP TIME	60 s
Mercury-vapor high-voltage rectifier.	

A directly heated mercury-vapor rectifier intended mainly as a high-voltage half-wave rectifier in medium-power rectifier installations.



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	—



SOURCE OPERATING CONDITIONS

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Inverse voltage maximum	10 kV	—
Peak plate current maximum	1 A	—
Average plate current maximum	250 mA	—
Warm-up time minimum	1 min	Normal
Warm-up time after transport	30 min	AfterTransport

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Arc voltage at 0.5 A	12 V	—

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker