



ELECTRONIC TUBE REFERENCE

866B

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Taylor directly heated mercury-vapor half-wave rectifier for high-voltage supplies. Its gas-assisted conduction provides efficient transmitter and industrial AC-to-DC conversion.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	8500 V
PEAK FORWARD CURRENT	1 A
FORWARD VOLTAGE DROP	15 V
<i>Published maximum ratings and characteristics promoted from the approved datasheet; mode-specific values preserved as parameters.</i>	

The 866B is a Taylor half-wave mercury-vapor rectifier for high-voltage power-supply service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

193X Taylor Transmitting

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

193X TAYLOR TRANSMITTING

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	5 V	Nominal published value
Filament Current	5 A	Nominal published value
Inverse Peak Voltage	8500 V	Half-wave mercury-vapor rectifier
Peak Current	1 A	Half-wave mercury-vapor rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Approximate Voltage Drop	15 V	Per tube

TUBE TINKER

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

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

© 2026 Tube Tinker