



ELECTRONIC TUBE REFERENCE

8434

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Indirectly heated hydrogen-filled half-wave diode for high-voltage rectifier circuits. Its gas-assisted conduction provides ampere-class current with multi-kilovolt blocking capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	5 V / 11.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	20000 V
NOMINAL OUTPUT CURRENT	1.8 A
PEAK FORWARD CURRENT	8 A
FORWARD VOLTAGE DROP	30 V

Indirectly heated hydrogen-filled half-wave diode for high-voltage rectifier circuits, rated for 1.8 A average at 20 kV peak inverse voltage.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	5 V	Nominal
Heater current	11.5 A	Nominal