



ELECTRONIC TUBE REFERENCE

8376

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Ceramic hydrogen-filled rectifier diode with an internal reservoir for stable gas pressure. Its multiampere average and peak-current capability suits demanding high-voltage pulse rectification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 13.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
NOMINAL OUTPUT CURRENT	3 A
PEAK FORWARD CURRENT	12 A
FORWARD VOLTAGE DROP	70 V

Ceramic indirectly heated hydrogen-filled diode for high-voltage rectifier applications, with an internal reservoir for stable hydrogen pressure.

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 minimum	12 A	At 5.0 V
Heater current maximum	15 A	At 5.0 V
Reservoir current minimum	2 A	At 5.0 V
Reservoir current maximum	3 A	At 5.0 V
Fault current, 0.1 s maximum duration	90 A	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode and reservoir heating time	3 min	Minimum