ELECTRONIC TUBE REFERENCE

8375

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Ceramic hydrogen-filled half-wave diode for high-voltage rectifier, clipper, backswing, and hold-off applications. Gas-assisted conduction provides ampere-class current for demanding pulse systems.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	5 V / 10.5 A	**PARALLEL HEATER**	_ / _
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Rectifier

PEAK INVERSE VOLTAGE	20000 V
NOMINAL OUTPUT CURRENT	1 A
PEAK FORWARD CURRENT	4 A
FORWARD VOLTAGE DROP	30 V

Ceramic indirectly heated hydrogen-filled diode for high-voltage rectifier, clipper, backswing, and hold-off applications.

SOURCE OPERATING CONDITIONS

1961 Tung Sol

SOURCE PDF

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	**9 A**	At 5.0 V
Heater current maximum	**12 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	**30 A**	—

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

TUBE TINKER

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