ELECTRONIC TUBE REFERENCE

KU93

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Rugged ceramic hydrogen-filled diode for high-voltage rectifier and pulse-clipper circuits. Its gas-assisted conduction provides ampere-class output and exceptionally high pulse current.

General characteristics

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

Section ratings

SECTION1 Rectifier

PEAK INVERSE VOLTAGE	30000 V
NOMINAL OUTPUT CURRENT	2 A
PEAK FORWARD CURRENT	500 A
FORWARD VOLTAGE DROP	70 V

Rugged ceramic hydrogen diode for high-voltage rectifier and clipper circuits.

SOURCE OPERATING CONDITIONS

1962 ITT

SOURCE PDF

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

1962 ITT

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater Voltage	**5 V**	—
Heater Current	**15-27 A**	—
Anode Voltage Drop	**70 V**	—
Minimum Heating Time	**300 s**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum Peak Inverse Anode Voltage	**30000 V**	—
Maximum Peak Anode Current	**500 A**	—
Maximum Average Anode Current	**2 A**	—
Maximum RMS Anode Current	**15 A**	—

ENVIRONMENTAL		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Ambient Temperature Range	**-55 to +125 C**	—

TUBE TINKER

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

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