



ELECTRONIC TUBE REFERENCE

KU92

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Ceramic hydrogen-filled rectifier and pulse-transformer backswing clipper diode for high-voltage pulse circuits. Gas-assisted conduction provides high peak current for demanding pulse service.

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	20000 V
NOMINAL OUTPUT CURRENT	600 mA
PEAK FORWARD CURRENT	300 A
FORWARD VOLTAGE DROP	70 V

Ceramic hydrogen rectifier and pulse-transformer backswing clipper diode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 ITT

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	7.5-9.5 A	—
Anode Voltage Drop	70 V	—
Minimum Heating Time	180 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Peak Inverse Anode Voltage	20000 V	—
Maximum Peak Anode Current	300 A	—
Maximum Average Anode Current	600 mA	—
Maximum RMS Anode Current	6 A	—

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

TUBE TINKER

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and their source documents.

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