

ELECTRONIC TUBE REFERENCE

6AZ6

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Ruggedized subminiature UHF twin diode for rectifier, clipper, detector, and pulse applications. Its low-capacitance construction and pulse-current capability make it a signal-processing diode rather than a conventional power-supply rectifier.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8EH	BASE PINS	—
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	450 V
NOMINAL OUTPUT CURRENT	20 mA
PEAK FORWARD CURRENT	550 mA
FORWARD VOLTAGE DROP	3.5 V
MAXIMUM HEATER-CATHODE VOLTAGE	90 V
Values promoted only where clearly published for this section in the approved source.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	450 V
NOMINAL OUTPUT CURRENT	20 mA
PEAK FORWARD CURRENT	550 mA
FORWARD VOLTAGE DROP	3.5 V
MAXIMUM HEATER-CATHODE VOLTAGE	90 V
<i>Second physical section of the documented identical UHF twin-diode system; promoted electrical values duplicated from section 1 under the physical-section-row policy.</i>	

Ruggedized subminiature UHF twin diode for rectifier, clipper, detector and pulse service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 National Union

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

1938 NATIONAL UNION

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
applications such as encountered in military service. Tt is a Bulbevervvnnnannae viaes F=	3 in	Published source value; see source line context.
imately	1125 megacycles	Published source value; see source line context.
cathode. The heater power consumption is less than	1 watt	Published source value; see source line context.
Heater Yoltage (AD or DC) +	10 volts	Published source value; see source line context.
Maximum Peak Inverse Voltage	450 volts	Published source value; see source line context.
Maximum Peak Plate Current S5	0 ma	Published source value; see source line context.
Maximum DC Output Current (F.W.)	20 ma	Published source value; see source line context.
DC voltage drop at	8 volts	Published source value; see source line context.
Heater Voltage	6.3 volts	Published source value; see source line context.
e R, =	11000 mh	Published source value; see source line context.
NOTE: LEADS MAY BE CUT TO®	200 IN	Published source value; see source line context.

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate to Cathode, Heater, both Shields	2.5 uuf	Published source value; see source line context.
Plate	1 ppf	Published source value; see source line context.
Heater Current	150 ma	Published source value; see source line context.
Plate Current (Full Wave) &	1 ma	Published source value; see source line context.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS supply voltage per plate	200 V	FullWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward-voltage-drop test current	8 mA	FullWave

TUBE TINKER

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