

- AVAILABLE IN JAN, JANTX, JANTXV, AND JANS
PER MIL-PRF-19500/406
- 1.5 WATT ZENER DIODES
- NON CAVITY CONSTRUCTION
- METALLURGICALLY BONDED

**1N6485
THRU
1N6491
AND
1N4460
AND
1N4461**

MAXIMUM RATINGS

Operating Temperature: -65°C to +175°C
 Storage Temperature: -65°C to +200°C
 Power Dissipation: 1.5W @ T_A=+25°C
 Power Derating: 10mW/°C above T_A=+25°C
 Forward Voltage: 1.0 V dc @ I_F=200mA dc
 1.5 V dc @ I_F=1A dc

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified

TYPE	ZENER VOLTAGE ±5% V _Z	TEST CURRENT I _{ZT}	DYNAMIC IMPEDENCE (MAX.) Z _{ZT} @I _{ZT}	KNEE IMPEDENCE (MAX.) Z _{ZK} @I _{ZT}	TEST CURRENT I _{ZK}	REVERSE CURRENT (MAX.) I _R @V _R	TEST VOLTAGE V _R	MAXIMUM CURRENT I _{ZM}	V _Z (REG) Δ V _Z	MAXIMUM SURGE
	VOLTS	mA	OHMS	OHMS	mA	μ A	VOLTS	MA	VOLTS	AMPS
1N6485	3.3	76.0	10	400	1.0	50	1.0	433	.90	4.2
1N6486	3.6	69.0	10	400	1.0	50	1.0	397	.80	3.9
1N6487	3.9	64.0	9	400	1.0	35	1.0	366	.75	3.6
1N6488	4.3	58.0	9	400	1.0	5.0	1.0	332	.70	3.3
1N6489	4.7	53.0	8	500	1.0	4.0	1.0	304	.60	3.0
1N6490	5.1	49.0	7	500	1.0	1.0	1.0	280	.50	2.7
1N6491	5.6	45.0	5	600	1.0	0.5	2.0	255	.40	2.5
1N4460	6.2	40.0	4	200	1.0	10.0	3.72	230	.35	2.3
1N4461	6.8	37.0	2.5	200	1.0	5.0	4.08	210	.30	2.1

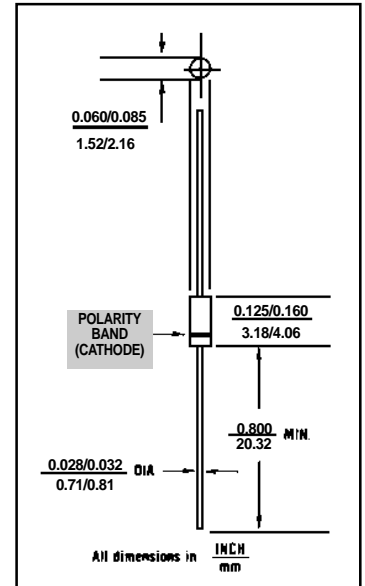


FIGURE 1

DESIGN DATA

CASE: Hermetically sealed, Glass "A"
 Body per MIL-PRF- 19500/406
 D-5A

LEAD MATERIAL: Copper clad steel

LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: (R_{ΘJL}): 42
 °C/W maximum at L = .375

THERMAL IMPEDANCE: (Z_{ΘJX}): 4.5
 °C/W maximum

POLARITY: Diode to be operated with
 the banded (cathode) end positive.

MOUNTING POSITION: Any



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For the complete DATASHEET please visit www.searchdatasheets.com and [register](#) as a paying customer.

Price starting at: \$50 US for a weekly membership.

\$150 US for 3 months membership, and \$500 US for a yearly membership.

“Searchdatasheets provides users with one of the Internet’s most complete sources for obsolete datasheets,” said Ariel Zriel, President, Market Maker Systems.

As the life-cycle of components is shortened by the constant demand for faster and better technology, electronics parts are being rendered obsolete at an unprecedented rate. Searchdatasheets gathers and stores the fact sheets, which explain how to use those components.

“Once a component manufacturer decides to eliminate a component datasheet from its web site,” said Zriel, “we take over and list it along with the millions of other datasheets that our users can quickly access.”

Users can perform standard searches for datasheets, or use the cross-reference search option if they want to find a compatible part from another manufacturer.

Searchdatasheets also informs its users when parts are going to become obsolete, providing them with timely product change notification (PCN), product discontinuation notices (PDN) and end of life (EOL) notification.

Searchdatasheets is the only database of its kind that has components engineers onstaff.

That means users can count on assistance from qualified personnel when performing cross-reference searches. Searchdatasheets engineers also regularly research and add and new datasheets to the system.

“We have full-time Engineers on-staff to research and add datasheets if the information is not currently on our site,” said Zriel. “We are providing a place for users to have their questions answered quickly. Our aim is to build a community for components engineers who need help in product design.”

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