

New Jersey Semi-Conductor Products, Inc.

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1N6469
 Thru
1N6476

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FEATURES:

- 1500 Watts Peak Pulse Power ($t_p = 10/1000\mu s$)
- Voidless hermetically sealed glass package
- Metallurgically bonded
- High surge capacity
- Unidirectional
- Available in **JAN**, **JTX**, and **JTXV** versions per MIL-S-19500/552

MECHANICAL CHARACTERISTICS:

- Hermetically sealed glass package
- Tinned copper leads
- Marking : P/N, date code, logo, & cathode band

APPLICATIONS:

- Aerospace & Industrial Electronics
- Board Level Protection
- Airborne Systems
- Shipboard Systems
- Ground Systems

MAXIMUM RATINGS

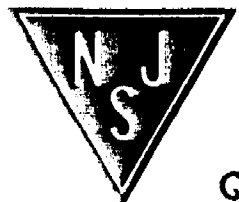
RATING	SYMBOL	VALUE	UNIT
Peak Pulse Power ($t_p = 10 \times 1000\mu s$)	Ppk	1500	Watts
Operating Temperature	Tj	-65 to +175	°C
Storage Temperature	Tstg	-65 to +175	°C
Steady-State Power Dissipation @ TL = 75°C (3/8")	PD	5	Watts

ELECTRICAL CHARACTERISTICS @ 25°C (unless otherwise specified)

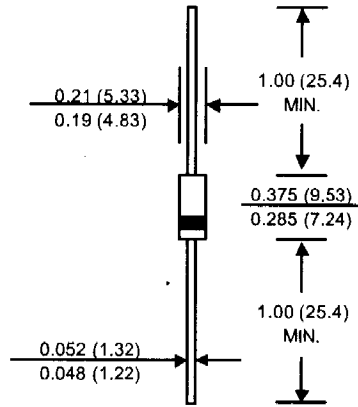
DEVICE TYPE	REVERSE STAND-OFF VOLTAGE V_{RWM}	REVERSE LEAKAGE CURRENT I_R	MINIMUM BREAKDOWN VOLTAGE $V_{BR} @ I_T$	TEST CURRENT I_T	MAXIMUM CLAMPING VOLTAGE $V_c @ I_{pp}$	PEAK PULSE CURRENT I_{pp} $T_p = 1ms$	PEAK PULSE CURRENT I_{pp} $T_p = 20\mu s$	TEMPERATURE COEFFICIENT OF V_{BR} $\mu V/^\circ C$
	(V)	(μA)	(V)	(mA)	(V)	(A)	(A)	% /°C
1N6469	5	5000	5.6	50	9.0	167	945	0.040
1N6470	6	5000	6.5	50	11.0	137	775	0.040
1N6471	12	1000	13.6	10	22.6	66	374	0.050
1N6472	15	1000	16.4	10	26.5	57	322	0.060
1N6473	24	100	27.0	5	41.4	36.5	206	0.084
1N6474	30.5	5	33.0	1	47.5	32	190	0.093
1N6475	40.3	5	43.7	1	63.5	24	136	0.094
1N6476	51.6	5	54.0	1	78.5	19	106	0.096

NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

Quality Semi-Conductors



DO-201AD



Dimensions in inches and (millimeters)