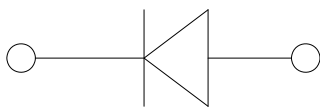


High efficiency
High current capability
High reliability
High surge current capability
Low power loss
Glass passivated chip junction
Solder dip 275 °C max. 7 s, per JESD 22-B106

For use in general purpose rectification of power supplies, inverters, converters, and freewheeling diodes for consumer, and telecommunication.



: DO-204AL(DO-41)

Molding compound meets UL 94 V-0 flammability rating,
RoHS-compliant

: Tin plated leads, solderable per J-STD-002 and JESD22-B102

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Device marking code			1N4001G	1N4002G	1N4003G	1N4004G	1N4005G	1N4006G	1N4007G
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	V _{RMS}	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	V _{DC}	V	50	100	200	400	600	800	1000
Average Forward Current @60Hz sine wave, Resistance load, T _a =85	I _{F(AV)}	A	1.0						
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T _j =25	I _{FSM}	A	30						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T _j =25			60						
Current squared time @1ms t8.3 ms T _j =25 Rating of per diode	I ² t	A ² s	3.735						
Typical junction capacitance @ Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	C _j	pF	6						
Storage Temperature	T _{stg}		-55 ~ +150						
Junction Temperature	T _j		-55 ~ +150						

T_a=25 Unless otherwise specified

Maximum instantaneous forward voltage drop per diode	V _F	V	I _{FM} =1.0A	1.1					
Maximum DC reverse current at rated DC blocking voltage per diode	I _R	μA	T _j =25	2.5					
			T _j =125	50					

v7KHUPDO &KDUDFWHULVWDOHQHFWV RWKHUÄLVH VSHFLILHG

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7\SLFDO 7KHUPDO	5H5LVWDQFH							

v2UGHULQJ , QIRUPPSQLHQ

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v &KDUDFWHULVWDOHQHFWV

7-
3XOVH ZLGWK XV
'XW\ &\FOH

