



- 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

- A-405

Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25	FSM	A	@60
Current squared time @1ms≤t≤8.3ms Tj=25	I ² t	A ² s	
Typical junction capacitance @ Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	Cj	pF	

		UNIT	TEST CONDIT
Maximum instantaneous forward voltage drop per diode	V _F	V	I _{FM} =1.0

Maximum DC reverse current at
rated DC blocking voltage per
diode I_R μA T_j=25

Device marking code			1N4001GS	1N4002GS	1N4003GS	1N4004GS	1N4005GS	1N4006GS	1N4007GS
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 I_{F(AV)} A 1.0
=75

v7KHUPDO &KDUDÄFWHUL8VQDHFVV RWKHUÄLVH VSHFLILHG

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7\SLFDO 7KHUPDO	5H5LVWDQFH								

v2UGHULQJ ,QIRUPPSWLHRQ

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Dim	Min	Max
A	4.22	5.21
B	2.03	2.72
C	25.4	/
D	0.53	0.64



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