



@60

- 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

	FSM	A
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25		
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
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: A-405

	UNIT	TEST CUNDITION
Maximum instantaneous forward voltage drop per diode	V _F	V

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	VRRM	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	VRMS	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	VDC	V	50	100	200	400	600	800	1000

Average Forward Current @60Hz sine wave, Resistance load, T_c I_{F(AV)} A 1.0 =75

v7KHUPDO &KDUDÄ7W HUL8VQD FVV RWKHUÄLVH VSHFLILHG

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7\SLFDO 7KHUPDO	5H5LVWDQFH								

v2UGHULQJ , QIRUPDSVLRQ

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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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