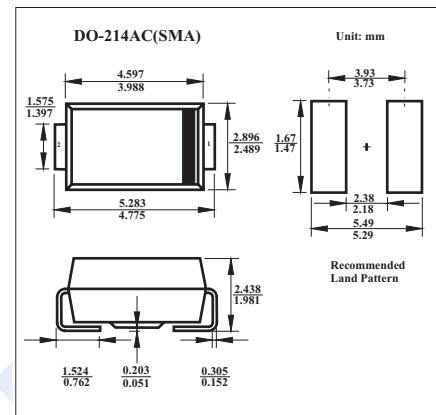


1A Rectifier Diodes

1N4001-1N4007

■ Features

- Diffused Junction
- High Current Capability and Low Forward Voltage Drop
- Surge Overload Rating to 30A Peak
- Low Reverse Leakage Current



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	1N4001	1N4002	1N4003	1N4004	1N4005	1N4006	1N4007	Unit
Peak Repetitive Reverse Voltage	V _{RRM}								
Working Peak Reverse Voltage	V _{RWMW}	50	100	200	400	600	800	1000	V
DC Blocking Voltage	V _R								
RMS Reverse Voltage	V _{R(RMS)}	35	70	140	280	420	560	700	V
Average Rectified Output Current	I _O				1.0				A
Non-Repetitive Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}				30				A
DC Blocking Voltage Ta = 25°C Ta = 100°C	I _{RM}				5				μ A
Forward Voltage @ If = 1.0A	V _{FM}				1.0				V
Typical Junction Capacitance	C _J		15			8			pF
Typical Thermal Resistance Junction to Ambient	R _{θ JA}			100					K/W
Maximum DC Blocking Voltage Temperature	T _A			+150					°C
Operating and Storage Temperature Range	T _j , T _{STG}			-65 to 175					°C

■ Marking

Part NO.	1N4001	1N4002	1N4003	1N4004	1N4005	1N4006	1N4007
Marking	M1	M2	M3	M4	M5	M6	M7