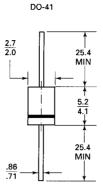
1N4001...1N4007 PLASTIC SILICON RECTIFIERS

FEATURES

- * Low forward voltage
- * High current capability
- * Low leakage current
- * High surge capability
- * Low cost



VOLTAGE RANCE 50 to 1000 Volts CURRENT 1.0 Amperes

Dimensions in mm

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Single-phase, half-wave, 60 Hz, resistive or inductive load

	1N4001	1N4002	1N4003	1N4004	1N4005	1N4006	1N4007	UNITS
Maximum Recurrent Peak Reverse Voltage*	50	100	200	400	600	800	1000	٧
Maximum RMS Voltage*	35	70	140	280	420	560	700	٧
Maximum DC Blocking Voltage*	50	100	200	400	600	800	1000	٧
Maximum Average Forward* Rectified Current 3/8 Lead Length at T _A = 75 ∘C		1.0						
Maximum Overload Surge 8.3 ms single half sine-wave		50						
Maximum Forward Voltage at 1.0A AC and 25 ∘C		1.0						
Maximum Full Load Reverse Current, Full Cycle Average at 75 °C Ambient*		30						
Maximum DC Reverse Current at 25 °C		5.0						μА
at Rated DC Blocking Voltage at 75 ∘C		50.0						
Typical Junction Capacitance (Note 1)		30						
Operating and Storage Temperature Range		-65 to + 175						

NOTES:

- 1. Measured at 1.0 MHz and applied reverse voltage of 4.0 $\rm V_{\rm pc}.$
- * JEDEC Registered Value.





