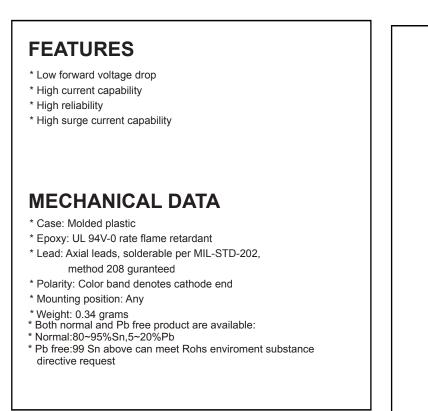
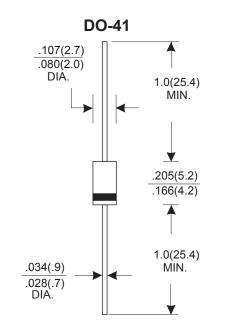


1N4001-----1N4007

PLASTIC SILICON RECTIFIERS

VOLTAGE RANGE: 50 --- 1000 V CURRENT: 1.0 A





Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate by 20%.

TYPE NUMBER		1N4001	1N4002	1N4003	1N4004	1N4005	1N4006	1N4007	UNITS
Maximun Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	v
Maximum RMS Voltage		35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	V
Maximum average forw ard rectified Current9.5mm lead length,@T _A =75°C		1.0							Α
Peak Forward Surge Current,8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		30							Α
Maximum Instantaneous Forward Voltage at 1.0A			1.0						
Maximum DC Reverse Current	Ta=25 ℃	5.0					μA		
at Rated DC Blocking Voltage	Ta=100℃	50					μA		
Typical Junction Capacitance(Note 1)			15						
Typical Thermal Resistance RθJA(Note 2)			50						
Operating and Storage Temperature RangeTJ,Tstg			-65+150						

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance from Junction to Ambient .375" (9.5mm) lead length.



RATINGS AND CHARACTERISTIC CURVES

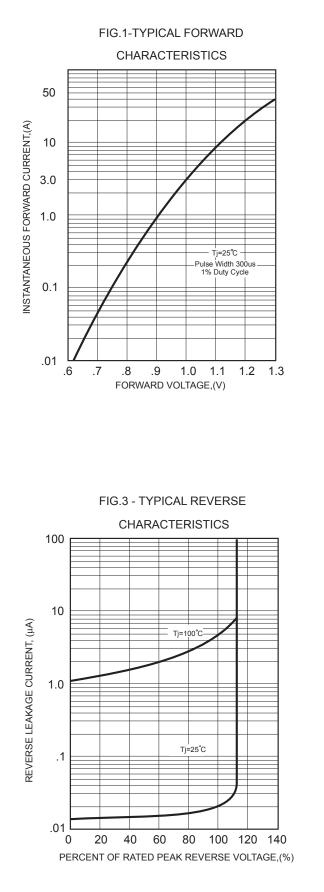


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

