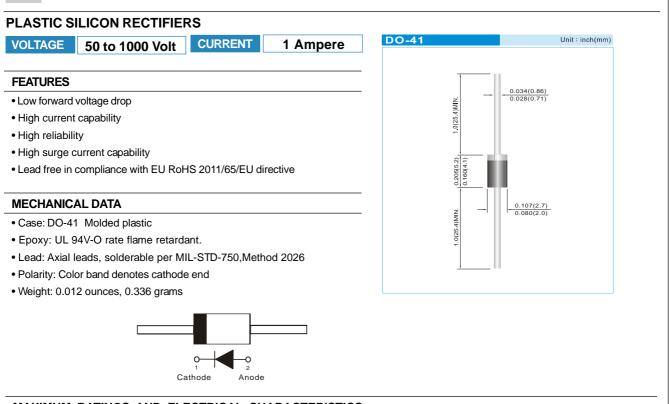




1N4001-1N4007



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

PARAMETER	SYMBOL	1N4001	1N4002	1N4003	1N4004	1N4005	1N4006	1N4007	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{rms}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Current 0.375"(9.5mm) lead length at T _A =75°C		1					А		
Peak Forward Surge Current : 8.3ms single half sine- wave superimposed on rated load		30					А		
Maximum Forward Voltage at 1A	V _F				1				V
Maximum DC Reverse Current at Rated T_=25°C DC Blocking Voltage T_=100°C	I _R				5 50				μΑ
Typical Junction Capacitance (Note 1)	C				15				рF
Typical Thermal Resistance (Note 2)		110 40 35				°C / W			
Operating Junction and Storage Temperature Range		-55 to +150				°C			

NOTES :

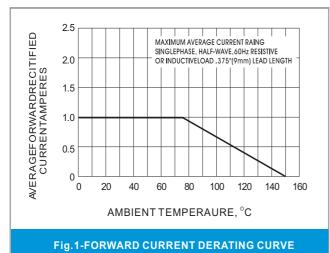
1. Measured at 1 MHz and applied reverse voltage of 4 VDC.

2. Thermal Resistance from Junction to Ambient and from junction to lead at 0.375"(9.5mm)lead length P.C.B.mounted.



1N4001-1N4007

RATING AND CHARACTERISTIC CURVES



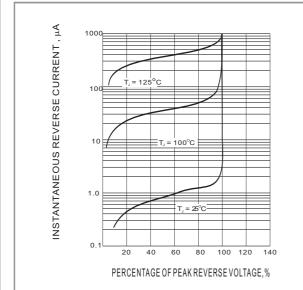
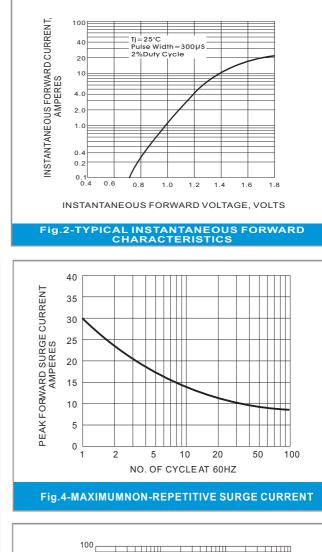


Fig.3-TYPICAL REVERSE CHARACTERISTIC



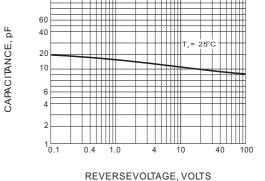
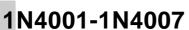


Fig.5-TYPICAL JUNCTION CAPACITANCE

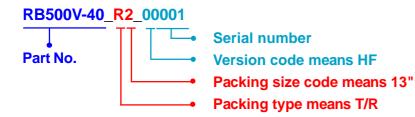




Part No_packing code_Version

1N4001_AY_00001
1N4001_AY_10001
1N4001_B0_00001
1N4001_B0_10001
1N4001_R2_00001
1N4001_R2_10001

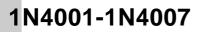
For example :



Packing Code XX			Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	т	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			







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