DC COMPONENTS CO., LTD.

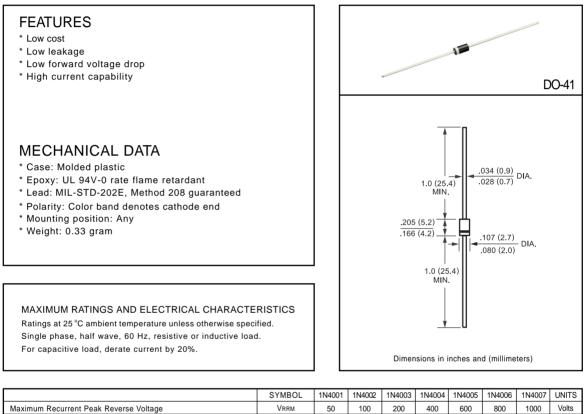
RECTIFIER SPECIALISTS

1N4001 THRU 1N4007

TECHNICAL SPECIFICATIONS OF SILICON RECTIFIER

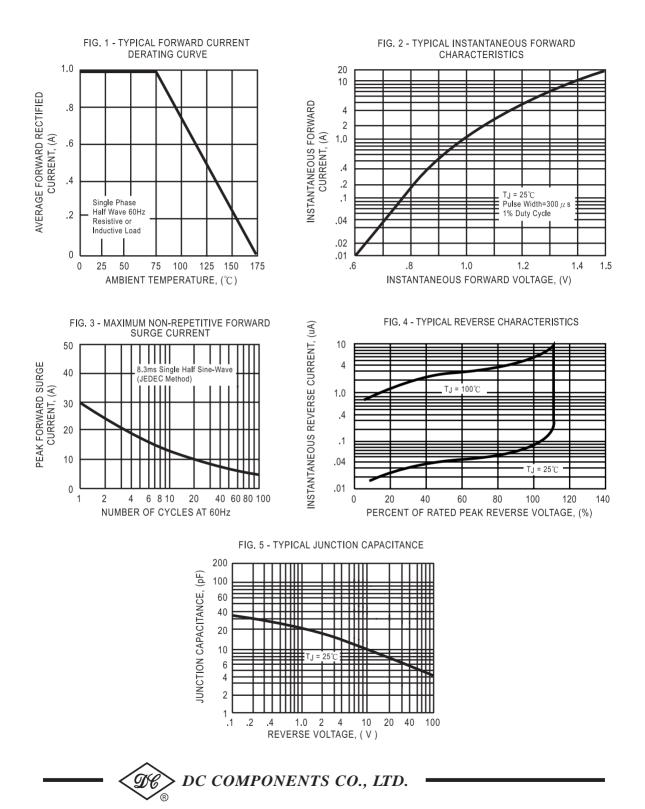
VOLTAGE RANGE - 50 to 1000 Volts

CURRENT - 1.0 Ampere



		SYMBOL	1N4001	1N4002	1N4003	1N4004	1N4005	1N4006	1N4007	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage		Vrms	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at TA = 75°C		Io	1.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM		30						Amps
Maximum Instantaneous Forward Voltage at 1.0A DC		Vf		1.1						Volts
Maximum DC Reverse Current	@Ta = 25°C		5.0							uAmps
at Rated DC Blocking Voltage	@TA = 100°C	- IR	500							
Maximum Full Load Reverse Current Average, Full Cycle .375*(9.5mm) lead length at T L = 75°C			30							uAmps
Typical Junction Capacitance (Note)		CJ		15						pF
Typical Thermal Resistance		RθJA	50							°C/W
Operating and Storage Temperature Range		TJ, TSTG		-65 to + 175						

NOTES : Measured at 1 MHz and applied reverse voltage of 4.0 volts



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Datasheets for electronics components.