

RATINGS	SYMBOL	1N4001GPT	1N4002GPT	1N4003GPT	1N4004GPT	1N4005GPT	1N4006GPT	1N4007GPT	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	lo	1.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	30						Amps	
Typical Junction Capacitance (Note)	CJ	15						pF	
Typical Thermal Resistance	RθJA	50						°C/W	
Operating and Storage Temperature Range	TJ, TSTG	-65 to +175							°C

ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

CHARACTERISTICS		SYMBOL	1N4001GPT	1N4002GPT	1N4003GPT	1N4004GPT	1N4005GPT	1N4006GPT	1N4007GPT	UNITS
Maximum Instantaneous Forward Voltage at 1.0 A	num Instantaneous Forward Voltage at 1.0 A DC		1.1							Volts
Maximum Reverse Current at rated DC blocking Voltage per leg	@ TA = 25°C	IR	5.0							uAmps
	@ TA = 100°C		50							uAmps
Maximum Full Load Reverse Current Average, Full Cycle 0.375" (9.5mm) lead length at TL = 75°C			30							uAmps

NOTES : Measured at 1.0 MHz and applied reverse voltage of 4.0 volts

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