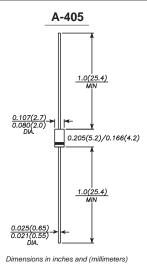
1N4001S THRU 1N4007S

GENERAL PURPOSE SILICON RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 1.0 Ampere



FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed: 260°C/10 seconds,0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: A-405 molded plastic body

Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.008 ounce, 0.23 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

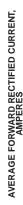
	SYMBOLS	1N 4001S	1N 4002S	1N 4003S	1N 4004S	1N 4005S	1N 4006S	1N 4007S	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V
Maximum average forward rectified current 0.375" (9.5mm) lead length at Ta=75℃	l(AV)				1.0				Α
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	lfsm				30.0				А
Maximum instantaneous forward voltage at 1.0A	VF	1.1						V	
Maximum DC reverse current TA=25℃ at rated DC blocking voltage TA=100℃	lR	5.0 50.0						μΑ	
Typical junction capacitance (NOTE 1)	Cı				15.0				pF
Typical thermal resistance (NOTE 2)	RθJA				50.0	•	•		°C/W
Operating junction and storage temperature range	Тл,Твтв			-5	5 to +1	50			°C

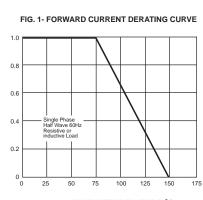
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0 V D.C.

2.Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted

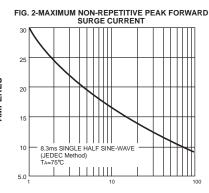


RATINGS AND CHARACTERISTIC CURVES 1N4001S THRU 1N4007S



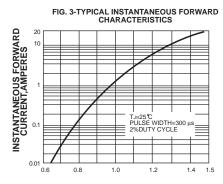






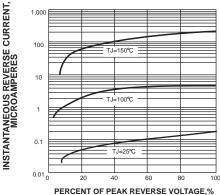
AMBIENT TEMPERATURE,°C

NUMBER OF CYCLES AT 60 Hz

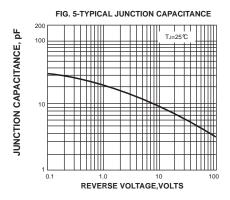


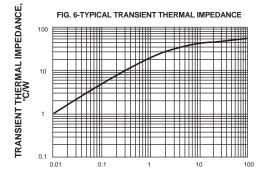






INSTANTANEOUS FORWARD VOLTAGE, VOLTS





t, PULSE DURATION, sec.



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Diodes - General Purpose, Power, Switching category:

Click to view products by Starsea manufacturer:

Other Similar products are found below:

MCL4151-TR3 MMBD3004S-13-F RD0306T-H BAV17-TR BAV19-TR 1N3611 NTE156A NTE574 NTE6244 1SS181-TP

1SS400CST2RA SDAA13 SHN2D02FUTW1T1G LS4151GS08 1N4449 1N456A 1N4934-E3/73 1N914B 1N914BTR 1SS226-TP

RFUH20TB3S D291S45T BAV300-TR BAW56DWQ-7-F BAW75-TAP MM230L-CAA IDW40E65D1 JAN1N3600 JAN1N4153-1

JAN1N4454-1 JAN1N4454UR-1 LL4151-GS18 053684A SMMSD4148T3G 707803H NSVDAN222T1G CDSZC01100-HF LL4150-M-08

1N4454-TR BAV199E6433HTMA1 BAV70HDW-7 BAS28-7 JANTX1N6640 BAW56HDW-13 BAS28 TR VS-HFA04SD60STR-M3

NSVM1MA152WKT1G 1SS388-TP RGP30D-E3/73 VS-8EWF02S-M3