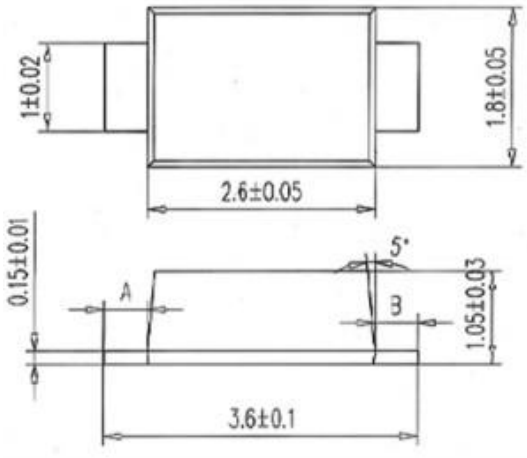
Forward Current - 1 A



FEATURES

- For surface mounted applications
- Low profile package
- Glass Passivated Chip Junction
- Ideal for automated placement
- Lead free in comply with EU RoHS 2011/65/EU directives

MECHANICAL DATA

- Case: SOD-123F
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 14mg

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 current derate by 20 %.

Parameter	Symbols	1N4001W	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	V
Maximum RMS voltage	V_{RMS}	35	V
Maximum DC Blocking Voltage	V_{DC}	50	V
Maximum Average Forward Rectified Current at T_c = 125°C	$I_{F(AV)}$	1	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	25	A
Maximum Instantaneous Forward Voltage at 1 A	V_F	1.1	V
Maximum DC Reverse Current T_a = 25 °C at Rated DC Blocking Voltage T_a =125 °C	I_R	5 50	μA
Typical Junction Capacitance (1)	C_j	11	pF
Typical Thermal Resistance (2)	$R_{\theta JA}$	90	°C/W
Operating and Storage Temperature Range	T_j, T_{stg}	-55 ~ +150	°C

（1）Measured at 1 MHz and applied reverse voltage of 4 VD.C
（2）P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

Fig.1 Forward Current Derating Curve

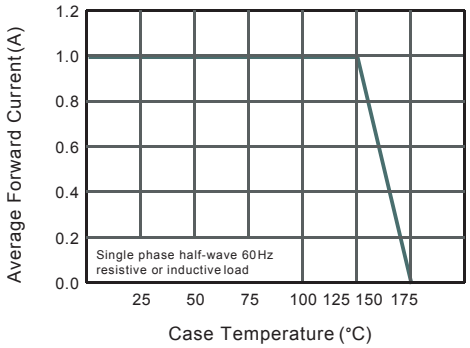


Fig.2 Typical Instaneous Reverse Characteristics

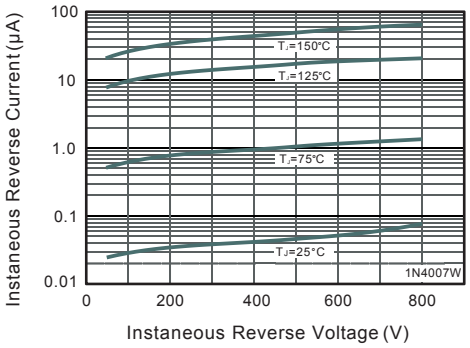


Fig.3 Typical Forward Characteristic

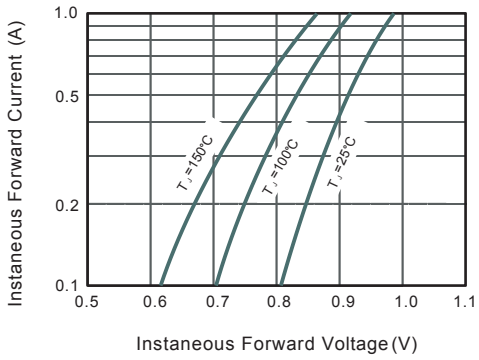


Fig.4 Typical Junction Capacitance

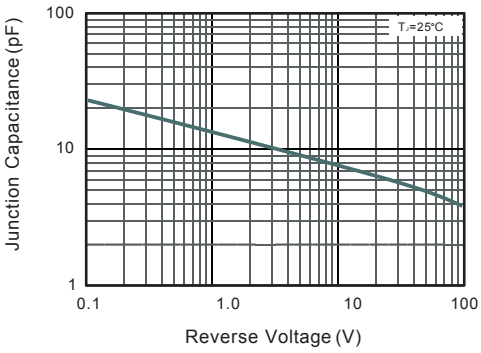
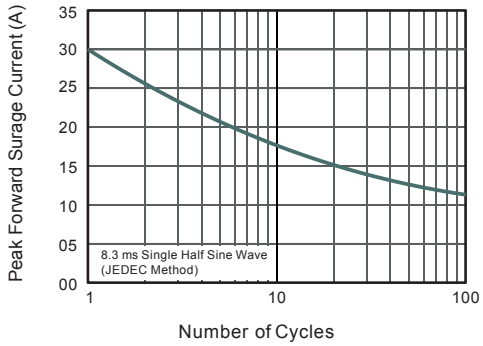


Fig.5 Maximum Non-Repetitive Peak Forward Surage Current



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 Yongyutai Electronics ***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