



SURFACE MOUNT SWITCHING DIODES

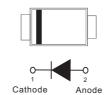
VOLTAGE 100 Volt POWER 410mWatt

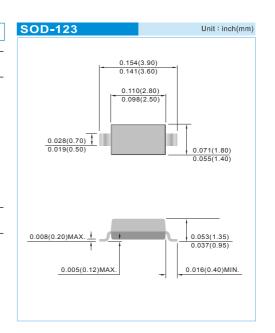
FEATURES

- · Fast switching Speed.
- Electrically Identical to Standard JEDEC
- High Conductance
- Surface Mount Package Ideally Suited for Automatic Insertion.
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

MECHANICAL DATA

- · Case: SOD-123 plastic case.
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0003 ounce, 0.0103 gram
- Marking Code: A2





MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (TJ = 25°C unless otherwise noted)

PARAMETER			VALUE	UNITS
Reverse Voltage	V _R	75	V	
Peak Reverse Voltage		V _{RM}	100	V
RMS Voltage		V _{RMS}	50	V
Maximum DC Blocking Voltage		V _{DC}	75	V
Maximum Average Forward Current at TA=25°C		I _{F(AV)}	200	mA
Peak Forward Surge Current, 0.001ms		I _{FSM}	4	А
Power Dissipation Derate Above 25°C		P _{тот}	410	mW
Maximum Forward Voltage		V _F	0. 715@1mA 0. 855@10mA 1@50mA 1. 25@150mA	V
Maximum DC Reverse Current at Rated DC Blocking Voltage T _J = 25°C		I _R	0. 025@20V 2. 5@75V	μΑ
Junction Capacitance (Notes 1)		C _J	1. 5	pF
Maximum Reverse Recovery Time (Notes 2)		t _{rr}	4	ns
Typical Thermal Resistance	(Notes 3) (Notes 3)	R _{eJA} R _{eJC} R _{eJL}	450 257 329	°C/W
Operating and Storage Temperature Range		T _{J,} T _{STG}	-55 to +150	°C

NOTE:

- 1.CJ at VR=0, f=1MHZ
- 2.From I_F=10mA to I_R=1mA, V_R=6Volts, R_L=100 Ω
- 3. Mounted on a FR4 PCB, single-sided copper, with 100cm² copper pad area.





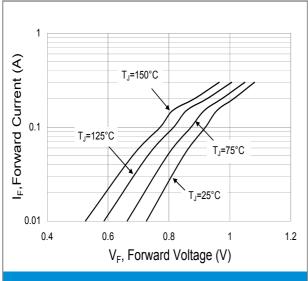


Fig.%Typical Forward Characteristics

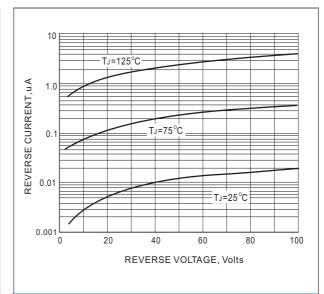
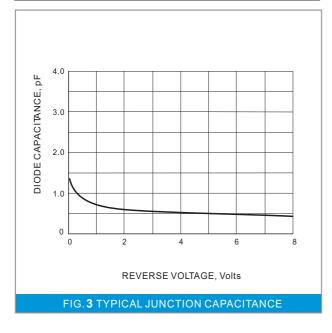
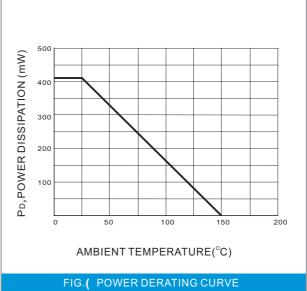


FIG. 2 TYPICAL REVERSE CHARACTERISTICS

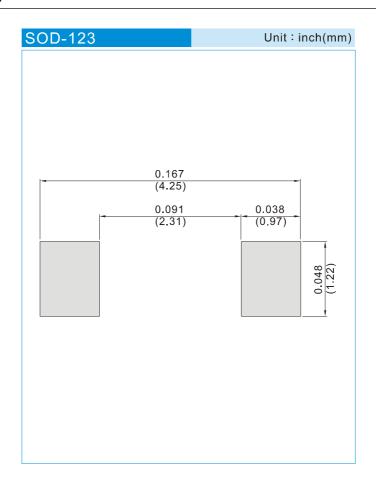








MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 10K per 13" plastic Reel

T/R - 3K per 7" plastic Reel





Part No_packing code_Version

1N4148W_R1_00001 1N4148W_R2_00001

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			





Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties
 of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation.
 Customers are responsible in comprehending the suitable use in particular applications.
 Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.

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 Panjit 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