

Technical Data Data Sheet N0599, Rev. -

Green Products

Features

- High Conductance
- Fast Switching
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose and Switching
- Plastic Material UL Recognition Flammability Classification 94V-O
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Mechanical Data

Case: SOT-23, Molded Plastic

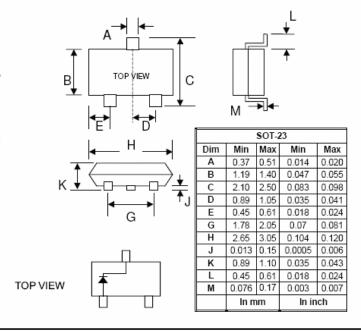
Terminals: Plated Leads Solderable per

MIL-STD-202, Method 208

Polarity: See Diagram

Weight: 0.008 grams (approx.)

Mounting Position: Any



Maximum Ratings @TA=25°C unless otherwise specified

Characteristic	Symbol Value		Unit
Non-Repetitive Peak Reverse Voltage	VRM	100	٧
Forward Continuous Current (Note 1)	lF	200	mA
Average Rectified Output Current (Note 1)	lo	200	mA
Power Dissipation (Note 1)	Pd 225		mW
Operating and Storage Temperature Range	Tj, Tstg	-65 to +150	°C

Electrical Characteristics @TA=25°C unless otherwise specified

Characteristic	Symbol	Min	Max	Unit	Test Condition
Forward Voltage	VF	_	1.0	V	@ IF = 10mA
Reverse Leakage Current	lR	_	5.0	μA	@ VR = 75V
Junction Capacitance	Cj	_	4.0	pF	VR = 0V, f = 1.0MHz
Reverse Recovery Time	trr	_	4.0	nS	IF = IR = 10mA, IRR = 0.1 x IR, RL = 100 Ω

[•] Weiqi Street, Airport Development Zone, Jiangning District, Nanjing, China 211113 🗏 (86) 25-87123907 •

[•] FAX (86) 25-87123900 • World Wide Web Site - http://www.sangdest.com.cn • E-Mail Address - sales@ sangdest.com.cn •



MMBD914 SURFACE MOUNT FAST SWITCHING DIODE

Technical Data
Data Sheet N0599, Rev. -

Green Products

DISCLAIMER:

- 1- The information given herein, including the specifications and dimensions, is subject to change without prior notice to improve product characteristics. Before ordering, purchasers are advised to contact the SMC Sangdest Microelectronics (Nanjing) Co., Ltd sales department for the latest version of the datasheet(s).
- 2- In cases where extremely high reliability is required (such as use in nuclear power control, aerospace and aviation, traffic equipment, medical equipment, and safety equipment), safety should be ensured by using semiconductor devices that feature assured safety or by means of users' fail-safe precautions or other arrangement.
- 3- In no event shall SMC Sangdest Microelectronics (Nanjing) Co., Ltd be liable for any damages that may result from an accident or any other cause during operation of the user's units according to the datasheet(s). SMC Sangdest Microelectronics (Nanjing) Co., Ltd assumes no responsibility for any intellectual property claims or any other problems that may result from applications of information, products or circuits described in the datasheets.
- 4- In no event shall SMC Sangdest Microelectronics (Nanjing) Co., Ltd be liable for any failure in a semiconductor device or any secondary damage resulting from use at a value exceeding the absolute maximum rating.
- 5- No license is granted by the datasheet(s) under any patents or other rights of any third party or SMC Sangdest Microelectronics (Nanjing) Co., Ltd.
- 6- The datasheet(s) may not be reproduced or duplicated, in any form, in whole or part, without the expressed written permission of SMC Sangdest Microelectronics (Nanjing) Co., Ltd.
- 7- The products (technologies) described in the datasheet(s) are not to be provided to any party whose purpose in their application will hinder maintenance of international peace and safety nor are they to be applied to that purpose by their direct purchasers or any third party. When exporting these products (technologies), the necessary procedures are to be taken in accordance with related laws and regulations..

[•] FAX (86) 25-87123900 • World Wide Web Site - http://www.sangdest.com.cn • E-Mail Address - sales@ sangdest.com.cn •