

**RoHS  
Compliant**



## Features

- Low profile package
- Ideal for automated placement
- Ultrafast reverse recovery time
- Low power losses, high efficiency
- Low forward voltage drop
- High surge capability
- High Temperature Soldering: 260°C/10 seconds at terminals

## Specifications

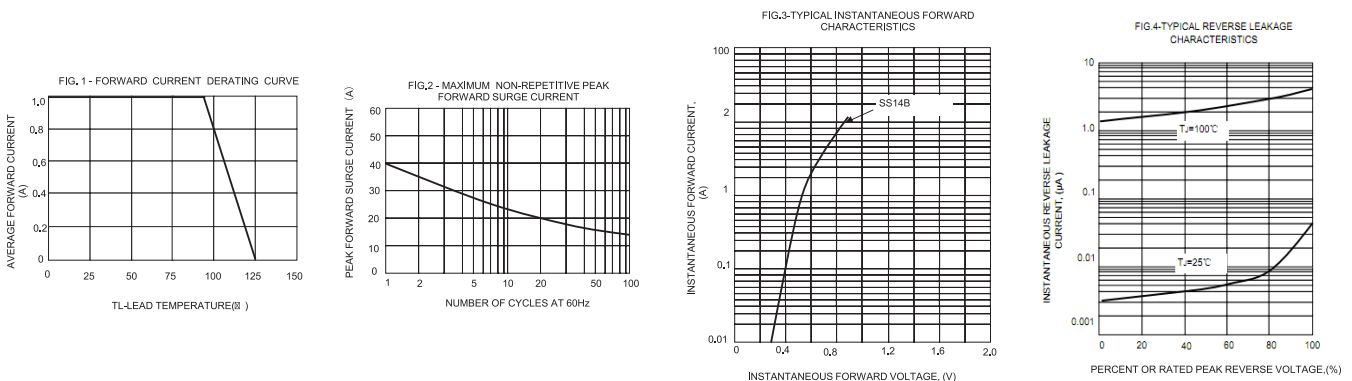
Case : JEDEC SMB molded plastic body over passivated chip  
 Terminals : Solder plated, solderable per J-STD-002B and JESD22-B102D  
 Polarity : Laser band denotes cathode

## Maximum Ratings and Thermal Characteristics and Electrical Characteristics

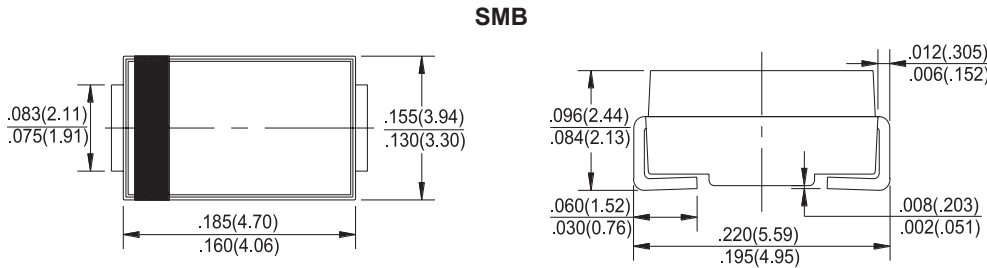
(TA = 25 °C unless otherwise noted)

Characteristics	Symbol	Values	Unit
Maximum repetitive peak reverse voltage	VRRM	40	V
Maximum RMS voltage	VRMS	28	
Maximum DC blocking voltage	V DC	40	
Maximum average forward rectified current	IF(AV)	1	A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	IFSM	40	
Maximum instantaneous forward voltage at 1A	VF	0.55	V
Maximum DC reverse current TA= 25°C at Rated DC blocking voltage TA= 100°C	IR	0.5 5	mA
Thermal resistance from junction to Lead	RθJL	30	°C/W
Operating junction and storage temperature range	TJ, TSTG	-65 to + 125	°C

## Rating and Characteristic Curves



## Diagram



## Part Number Table

Description	Part Number
Schottky Diode, 1A, 40V, SMB	SS14B

Dimensions : Inches (Millimetres)

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro  
 Farnell.com/multicomp-pro  
 sg.element14.com/b/multicomp-pro