



查询1N914WS供应商

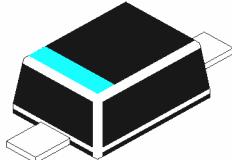
Continental Device India Limited

An ISO/TS 16949, ISO 9001 and ISO 14001 Certified Company

捷多邦，专业PCB打样工厂，24小时加急出货



SILICON EPITAXIAL SWITCHING DIODE



1N914WS

SOD-323
PLASTIC PCAKAGE

Marking

1N914WS=WQ with cathode band

Small Signal Diode

ABSOLUTE MAXIMUM RATINGS ($T_a=25^\circ\text{C}$)

DESCRIPTION	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	100	V
Average Rectified Forward Current	$I_F \text{ (AV)}$	200	mA
Non Repetitive Peak Forward Surge Current Pulse width=1s	I_{FSM}	0.5	A
Pulse width=1ms		1.0	A
Power Dissipation	P_{tot}	200	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	- 55 to +150	°C

THERMAL RESISTANCE

Junction to Ambient in free air	$R_{th \text{ (j-a)}}$	312	°C/W
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ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$ unless specified otherwise)

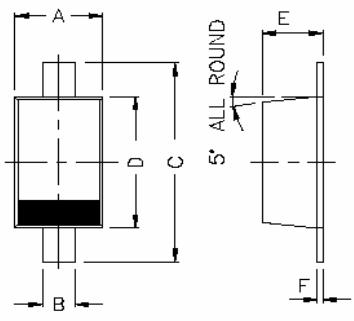
DESCRIPTION	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Breakdown Voltage	V_R	$I_R=5\mu\text{A}$ $I_R=100\mu\text{A}$	75		V
Forward Voltage	V_F	$I_F=10\text{mA}$		1.0	V
Reverse Current	I_R	$V_R=20\text{V}$ $V_R=20\text{V}, T_j=150^\circ\text{C}$ $V_R=75\text{V}$	25 50 5.0		nA μA μA
DYNAMIC CHARACTERISTICS					
Capacitance	C_{tot}	$V_R=0\text{V}, f=1\text{MHz}$		4.0	pF
Reverse Recovery Time	t_{rr}	$I_F=I_R=30\text{mA}, R_L=100\Omega$, $I_{RR}=3.0\text{mA}$		50	ns

1N914WS Rev170507E

1N914WS

SOD-323
PLASTIC PACKAGE

PACKAGE SOD-323 FL



DIM	MIN.	MAX.
A	1.15	1.35
B	0.25	0.40
C	2.30	2.80
D	1.60	1.80
E	0.80	1.10
F	0.00	0.15

All dimensions are in mm

CATHODE IS MARKED BY BAND

Customer Notes

1N914WS

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PLASTIC PACKAGE**

Component Disposal Instructions

1. CDIL Semiconductor Devices are RoHS compliant, customers are requested to please dispose as per prevailing Environmental Legislation of their Country.
2. In Europe, please dispose as per EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

Disclaimer

The product information and the selection guides facilitate selection of the CDIL's Semiconductor Device(s) best suited for application in your product(s) as per your requirement. It is recommended that you completely review our Data Sheet(s) so as to confirm that the Device(s) meet functionality parameters for your application. The information furnished in the Data Sheet and on the CDIL Web Site/CD are believed to be accurate and reliable. CDIL however, does not assume responsibility for inaccuracies or incomplete information. Furthermore, CDIL does not assume liability whatsoever, arising out of the application or use of any CDIL product; neither does it convey any license under its patent rights nor rights of others. These products are not designed for use in life saving/support appliances or systems. CDIL customers selling these products (either as individual Semiconductor Devices or incorporated in their end products), in any life saving/support appliances or systems or applications do so at their own risk and CDIL will not be responsible for any damages resulting from such sale(s).

CDIL strives for continuous improvement and reserves the right to change the specifications of its products without prior notice.



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