



Micro Commercial Components Corp.

Complete Discrete Semiconductor Solutions

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Part Number	1N914
product family	SWITCHING DIODES
package type	DO-35
VRM(PRV)	100V
Ifsm	500mA
IF(AV)	
@Vf	1.0V
@If	10mA
Trr	4.0nS
IR	25nA
@VR	20V
Package Qty	Bulk: 10K/Box, 100K/Ctn ; Tape : 10K/Reel, 50K/Ctn;

This product is listed under the following categories where you may find similar products:
[Diodes](#)
[Switching Diodes](#)



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1N914(A)(B)

500mW 100 Volt Silicon Epitaxial Diodes

Features

- Moisture Sensitivity: Level 1 per J-STD-020C
- Low Current Leakage
- Compression Bond Construction
- Low Cost
- Marking : Cathode band and type number
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 300°C/W Junction To Ambient

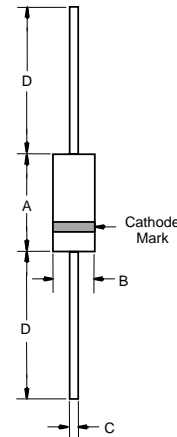
Electrical Characteristics @ 25°C Unless Otherwise Specified

Maximum Repetitive Reverse Voltage	V_{RRM}	100V	
Average Rectified Forward Current	I_O	200mA	
Power Dissipation	P_D	500mW	
Junction Temperature	T_J	150°C	
Peak Forward Surge Current	I_{FSM}	1.0A 4.0A	Pulse Width=1.0 second Pulse Width=1.0 microsecond
Minimum Breakdown Voltage	V_R	100V 75V	$I_R=100\mu A$, $I_R=5.0\mu A$
Maximum Instantaneous Forward Voltage	V_F	1.0V 720mV	$T_J = 25^\circ C$ $I_{FM} = 10mA$; $I_{FM} = 20mA$; $I_{FM} = 100mA$; $I_{FM} = 5.0mA$;
Maximum Reverse Current	I_R	25nA 5.0uA 50uA	$V_R=20V, T_J=25^\circ C$, $V_R=75V, T_J=25^\circ C$, $V_R=20V, T_J=150^\circ C$
Typical Junction Capacitance	C_J	4.0pF	Measured at 1.0MHz, $V_R=0V$
Reverse Recovery Time	T_{rr}	4.0nS	$I_F=10mA$ $V_R = 6V$ $R_L=100 \Omega, I_{rr}=1.0mA$

*Pulse test: Pulse width 300 usec, Duty cycle 2%

Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 5.

DO-35



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	---	.166	---	4.2	
B	---	.079	---	2.00	
C	---	.020	---	.52	
D	1.000	---	25.40	---	



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Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel; 10Kpcs/Reel
(Part Number)-AP	Ammo Packing;5Kpcs/AmmoBox
(Part Number)-BP	Bulk;500pcs/Bag

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