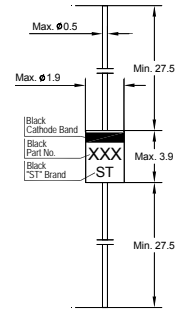


1N914, 1N914A, 1N914B

Silicon Epitaxial Planar Switching Diode

Features

- Fast switching speed
- High reliability



Glass Case DO-35
Dimensions in mm

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	100	V
Reverse Voltage	V_R	75	V
Average Rectified Forward Current	$I_{F(AV)}$	75 200	mA
Forward Continuous Current	I_{FM}	150 300	mA
Non-Repetitive Peak Forward Surge Current	I_{FSM}	1 1 4	A
Power Dissipation	P_{tot}	500	mW
Operating and Storage Temperature Range	T_j, T_{stg}	- 65 to + 175	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage	V_F	0.62	0.72	V
at $I_F = 5\text{ mA}$				
at $I_F = 100\text{ mA}$		-	1	
at $I_F = 10\text{ mA}$		-	1	
at $I_F = 20\text{ mA}$		-	1	
Reverse Current	I_R	-	25	nA
at $V_R = 20\text{ V}$				
at $V_R = 75\text{ V}$			5	μA
at $V_R = 20\text{ V}, T_j = 150^\circ\text{C}$			50	μA
Diode Capacitance	C_j	-	4	pF
at $V_R = 0, f = 1\text{ MHz}$				
Reverse Recovery Time	t_{rr}	-	4	ns
at $I_F = 10\text{ mA}$ to $I_R = 1\text{ mA}, V_R = 6\text{ V}, R_L = 100\ \Omega$				

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 [Semtech manufacturer:](#)

Other Similar products are found below :

[MMBD3004S-13-F](#) [RD0306T-H](#) [DSE010-TR-E](#) [BAV17-TR](#) [BAV19-TR](#) [1N3611](#) [NTE156A](#) [NTE574](#) [NTE6244](#) [1SS181-TP](#) [1SS193,LF](#)
[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](#) [LL4151-GS18](#)
[053684A](#) [SMMSD4148T3G](#) [707803H](#) [NSVDAN222T1G](#) [CDSZC01100-HF](#) [LL4150-M-08](#) [BAV199E6433HTMA1](#) [BAS28-7](#)
[BAW56HDW-13](#) [BAS28 TR](#) [VS-HFA04SD60STR-M3](#) [NSVM1MA152WKT1G](#) [RGP30D-E3/73](#) [BAV99TQ-13-F](#) [BAS21DWA-7](#) [NTE6250](#)
[NTE582-4](#) [NTE582-6](#) [MMDB30-E28X](#) [VS-HFA04SD60SL-M3](#)