



Dimensions in inches and (millimeters)

FEATURES

- Four types of packaging are available
- High speed
- Suitable for high packing density layout
- High reliability
- Pb-Free package is available
- RoHS product for packing code suffix "G"
- Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1

MARKING: N

Maximum Ratings ($T_a=25^\circ\text{C}$ unless otherwise noted)			
Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	80	V
DC Blocking Voltage	V_R	80	V
Forward Continuous Current	I_{FM}	300	mA
Average Rectified Forward Current	I_O	100	mA
Power Dissipation	P_D	200	mW
Junction temperature	T_J	150	$^\circ\text{C}$
Operating/ Storage temperature	T_{STG}	-55~+150	$^\circ\text{C}$

Electrical Characteristics ($T_a=25^\circ\text{C}$ unless otherwise noted)						
Parameter	Symbol	Test conditions	Min.	Typ.	Max.	Unit
Reverse Voltage	$V_{(BR)}$	$I_R=100\mu\text{A}$	80	—	—	V
Forward Voltage	V_F	$I_F=100\text{mA}$	—	—	1.2	V
Reverse Current	I_R	$V_R=70\text{V}$	—	—	0.1	μA
Total capacitance	C_T	$V_R=6\text{V}$, $f=1\text{MHz}$	—	—	3.5	pF
Reverse Recovery Time	t_{rr}	$I_F=I_R=5\text{mA}$, $V_R=6\text{V}$ $I_{rr}=0.1I_R$, $R_L=100\Omega$	—	—	4	ns

Typical Characteristics

