



Dimensions in inches and (millimeters)

### FEATURES

- Low Forward Voltage Drop
- Fast Switching
- 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: KAN

Maximum Ratings @ T <sub>a</sub> =25°C			
Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V <sub>RM</sub>	40	V
DC Blocking Voltage	V <sub>R</sub>	40	V
Average Rectified Output Current	I <sub>O</sub>	200	mA
Power Dissipation	P <sub>D</sub>	150	mW
Thermal Resistance Junction to Ambient	R <sub>θJA</sub>	667	°C/W
Operating Temperature	T <sub>J</sub>	-55~+125	°C
Storage Temperature Range	T <sub>STG</sub>	-55~+150	°C

## Plastic-Encapsulate Diodes

Electrical Characteristics ( $T_a=25^\circ\text{C}$ unless otherwise specified)					
Parameter	Symbol	Test conditions	Min.	Max.	Unit
Reverse Breakdown Voltage	$V_{(BR)}$	$I_R=10\mu\text{A}$	40	—	V
Reverse Voltage Leakage Current	$I_R$	$V_R=30\text{V}$	—	200	nA
Forward Voltage	$V_F$	$I_F=1\text{mA}$	—	380	mV
		$I_F=40\text{mA}$	—	1000	
Total capacitance	$C_T$	$V_R=0\text{V}$ , $f=1\text{MHz}$	—	5	pF
Reverse Recovery Time	$t_{rr}$	$I_F=10\text{mA}$ , $I_R=I_F=1\text{mA}$ , $R_L=100\Omega$	—	5	ns