

## SCHOTTKY BARRIER DIODE

VOLTAGE RANGE: 70V

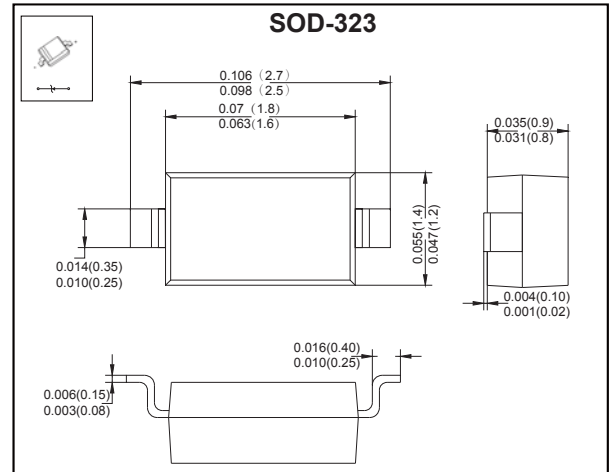
PEAK PULSE POWER:200mW

### FEATURES

- Low Turn-on Voltage
- PN Junction Guard for Transient and ESD Protection
- Designed for Surface Mount Application
- Plastic Material –UL Recognition Flammability Classification 94V-O
- FastSwitching

### MECHANICAL DATA

- Case: SOD-323 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any



## MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25 C ambient temperature unless otherwise specified

Parameter	Symbol	Limit	Unit
Peak Repetitive Peak Reverse Voltage	$V_{RRM}$	70	V
Working Peak Reverse Voltage	$V_{RWM}$		
DC Blocking Voltage	$V_R$		
Forward Continuous Current	$I_F$	70	mA
Non-repetitive Peak Forward Surge Current @t=8.3ms	$I_{FSM}$	100	mA
Power Dissipation	$P_D$	200	mW
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	500	°C/W
Junction temperature	$T_J$	125	°C
Storage Temperature	$T_{STG}$	-55 ~+150	°C

## Electrical Specification ( $T_A=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	$V_{F1}$			0.41	V	$I_F=1\text{mA}$
	$V_{F2}$			1	V	$I_F=15\text{mA}$
Reverse current	$I_R$			100	nA	$V_R=50\text{V}$
Capacitance between terminals	$C_T$			2	pF	$V_R=0\text{V}, f=1\text{MHz}$
Reverse recovery time	$t_{rr}$			5	ns	$I_F=I_R=10\text{mA}$ $I_{rr}=0.1X I_R, R_L=100\Omega$

MARKING: K73

# RATINGS AND CHARACTERISTIC CURVES

## Typical Characteristics

