

SCHOTTKY BARRIER DIODE

VOLTAGE RANGE: 70V

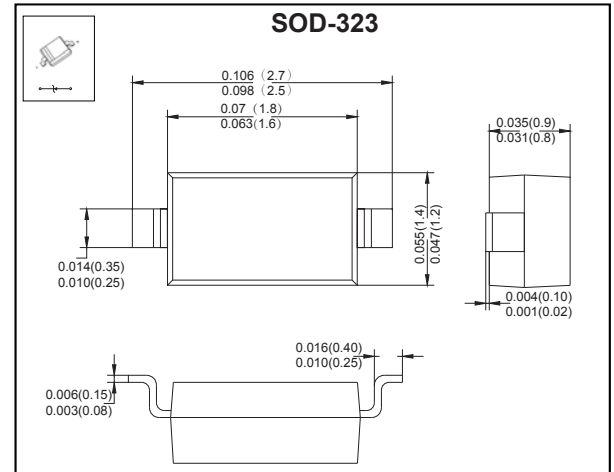
PEAK PULSE POWER:200mW

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

