

SOD-323

Dimensions in inches and (millimeters)

Features

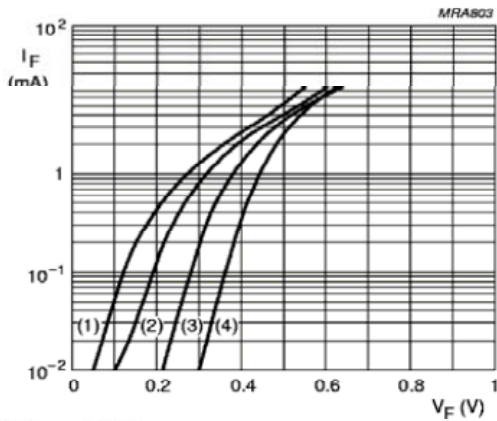
- Fast Switching
- Low Turn-on Voltage
- Designed For Surface Mount Application
- PN Junction Guard For Transient And ESD Protection
- Plastic Material -- UL Recognition Flammability Classification 94V-O

Maximum Ratings and Electrical Characteristics, Single Diode @TA=25°C

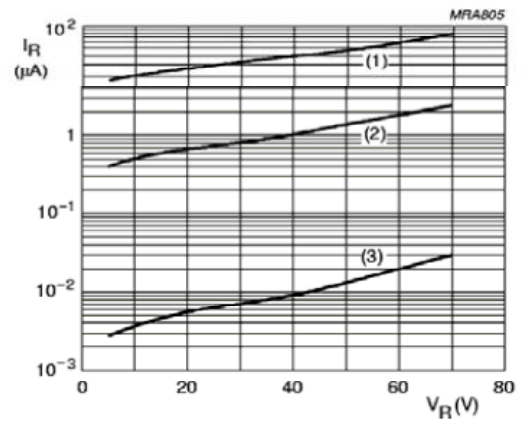
Parameter	Symbol	Limits	Unit
Peak Repetitive Peak reverse voltage	V_{RRM}	70	V
Working Peak Reverse Voltage	V_{RWM}		
DC Blocking Voltage	V_R		
Forward Continuous Current	I_F	70	mA
Peak forward surge current @<1.0s	I_{FSM}	100	mA
Power Dissipation	P_d	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	625	K/W
Storage temperature	T_{STG}	-55 ~ 150	°C

Electrical Ratings @TA=25°C

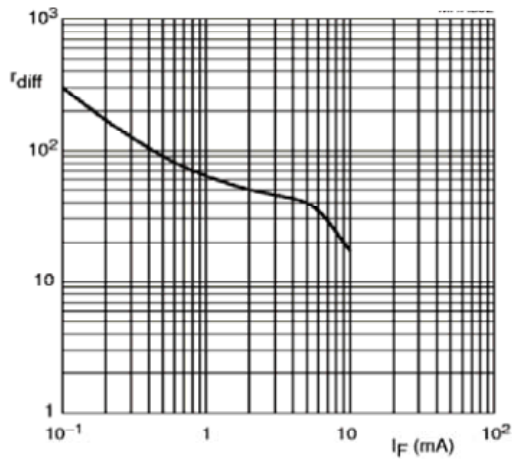
Parameter	Symbol	Max	Unit
Forward voltage $I_F=1mA$	V_{F1}	0.41	V
$I_F=15mA$	V_{F2}	1	
Reverse current $V_R=50V$	I_R	100	nA
Capacitance between terminals $V_R=0V, f=1MHz$	C_T	2	pF
Reverse Recovery Time $I_F=I_R=10mA, I_{rr}=0.1I_R, R_L=100\Omega$	T_{rr}	5	ns
MARKING		K73	



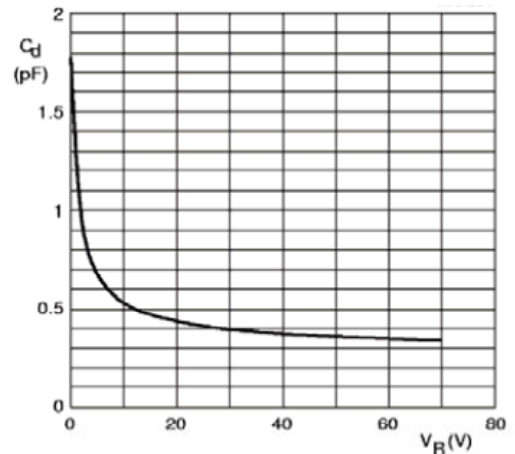
- (1) $T_{amb} = 125\text{ }^{\circ}\text{C}$.
- (2) $T_{amb} = 85\text{ }^{\circ}\text{C}$.
- (3) $T_{amb} = 25\text{ }^{\circ}\text{C}$.
- (4) $T_{amb} = -40\text{ }^{\circ}\text{C}$.



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Differential forward resistance as a function of forward current; typical values.



Diode capacitance as a function of reverse voltage; typical values.