1SS387WT

Plastic-Encapsulate Diodes

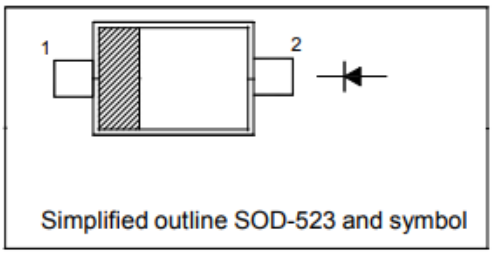
High Speed Switching Diode

FEATURES

- Small surface mounting type
- High speed
- High reliability with high surge current handing capability

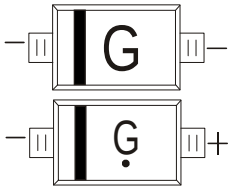
PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Simplified outline SOD-523 and symbol

MARKING: G



The marking bar indicates the cathode

Solid dot = Green molding compound device, if none,the normal device.

Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25℃

Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	85	V
DC Blocking Voltage	V_R	80	V
Forward Continuous Current	I_{FM}	200	mA
Average Rectified Output Current	I_O	100	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I_{FSM}	2.0	A
Power Dissipation	Pd	150	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	833	℃/W
Junction Temperature	T_j	150	℃
Storage Temperature	T_{STG}	-55~+150	℃

Electrical Ratings @Ta=25℃

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}		0.62		V	I_F=1mA
	V_{F2}		0.75		V	I_F=10mA
	V_{F3}			1.2	V	I_F=100mA
Reverse current	I_{R1}			0.1	μA	V_R=30V
	I_{R2}			0.5	μA	V_R=80V
Capacitance between terminals	C_T			3.0	pF	V_R=0,f=1MHZ
Reverse recovery time	t_{rr}			4	ns	V_R=6V,I_F=10mA,R_L=100Ω

Typical Characteristics