

GSD1SS400

High Speed Switching Diodes

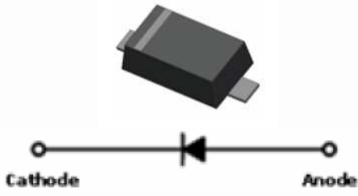
Product Description

Fast Switching Diode 200mW / 100V.

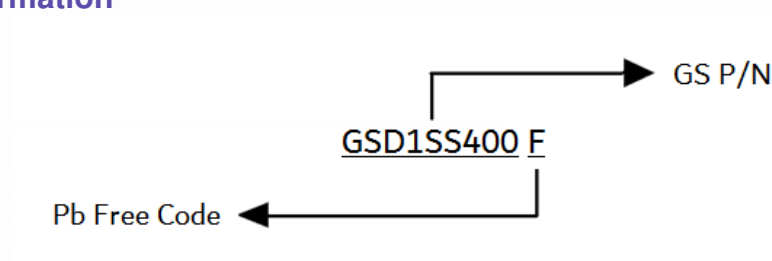
Features

- Fast Switching Device ($T_{RR}<4.0nS$)
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode
- Weight: approx. 0.002g
- AEC-Q101 Qualified

Marking Information

Part Number	Package	Part Marking	Equivalent Circuit Diagram
GSD1SS400F	SOD-523	A	

Ordering Information



Part Number	Package	Quantity
GSD1SS400F	SOD-523	3,000 PCS

Absolute Maximum Ratings

(T_A=25°C Unless Otherwise specified)

Symbol	Parameter	Value	Units
V _{RSM}	Non-Repetitive Peak Reverse Voltage	100	V
I _{FSM}	Peak Forward Surge Current (Pulse Width=1s)	500	mA
I _{FM}	Forward Current	200	mA
P _D	Power Dissipation	200	mW
T _J	Junction Temperature	+150	°C
T _{STG}	Storage Temperature Range	-55 to + 150	°C

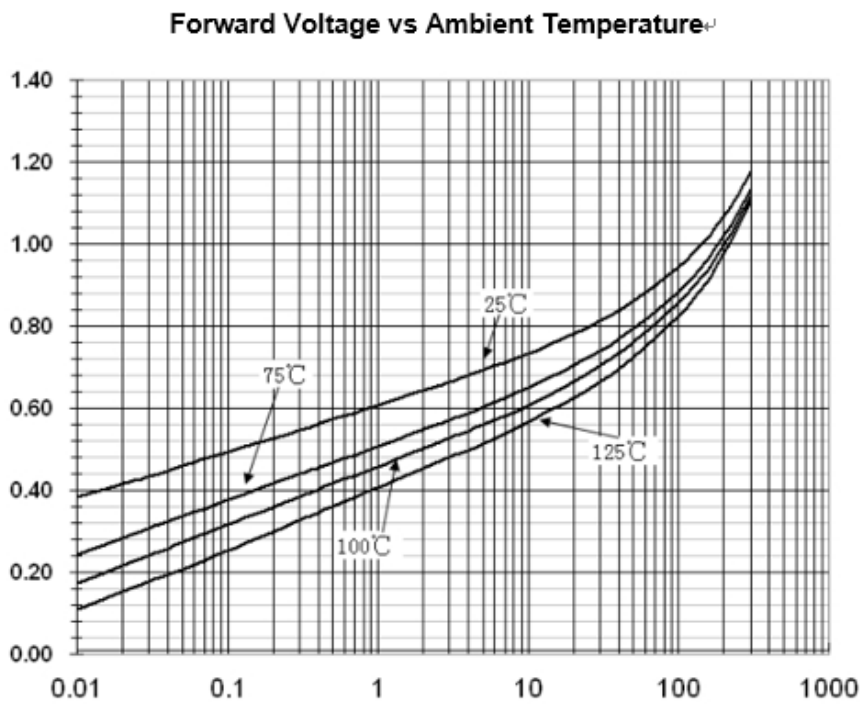
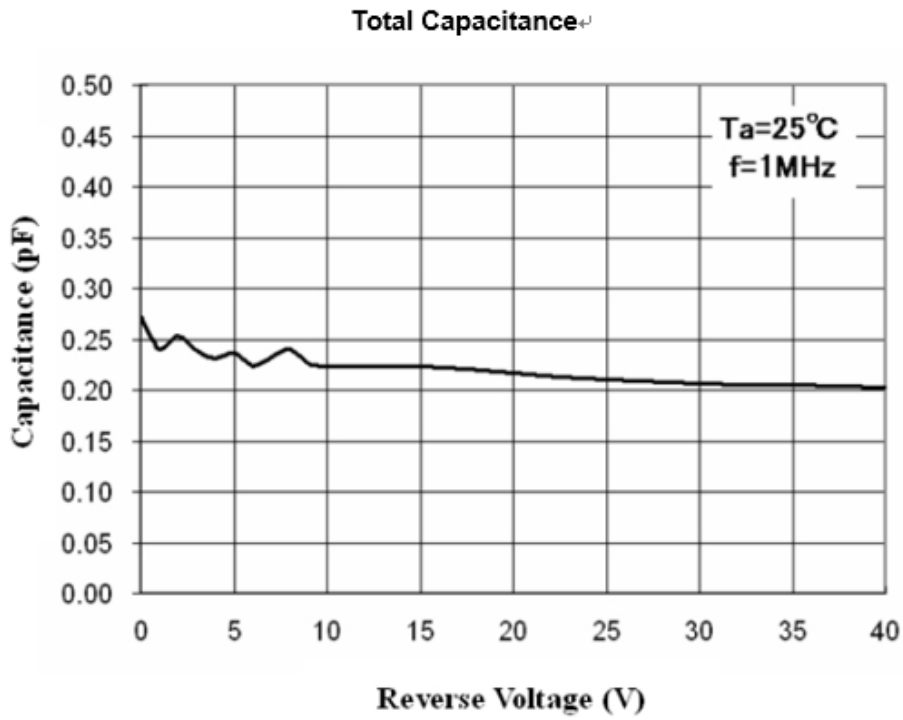
These ratings are limiting Values above which the serviceability of the diode may be impaired.

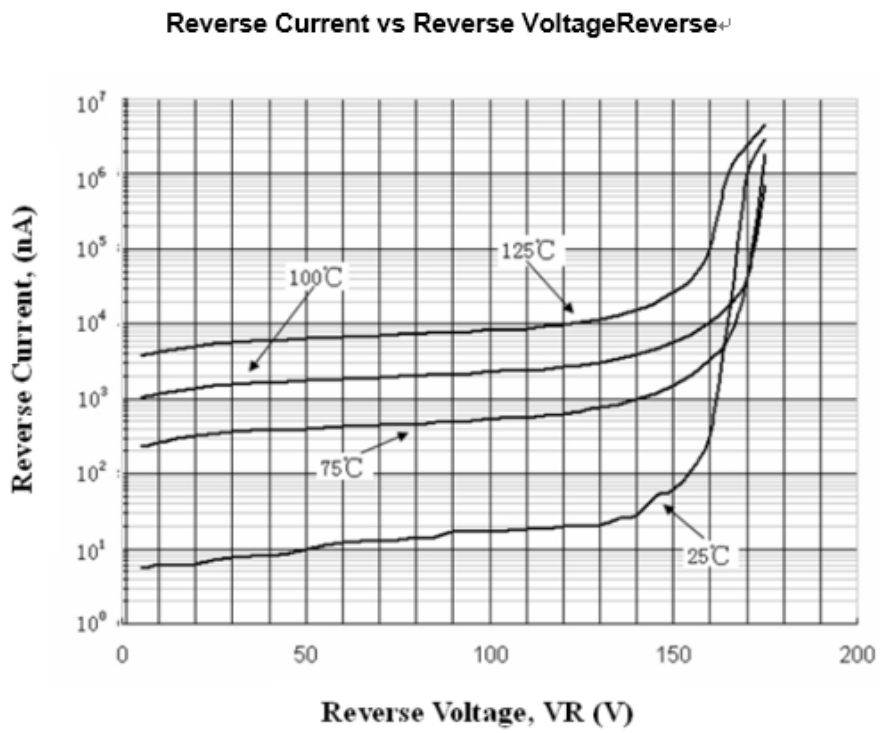
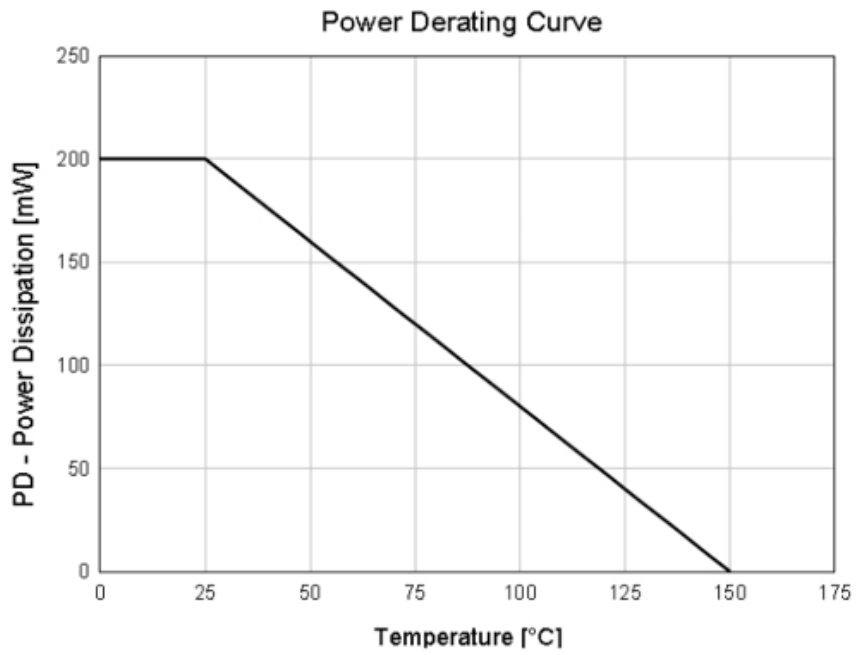
Electrical Characteristics

(T_A=25°C Unless Otherwise specified)

Symbol	Parameter	Test Condition	Min	Max	Units
V _F	Forward Voltage	I _F =100mA	-	1.2	V
I _R	Reverse Leakage Current	V _R =80V	-	100	nA
B _V	Breakdown Voltage	I _R =100μA	100	-	V
C	Capacitance	V _R =0.5V, f=1MHz	-	4	pF
T _{RR}	Reverse Recovery Time	I _F =10mA, V _R =6V R _L =100Ω	-	4	nS

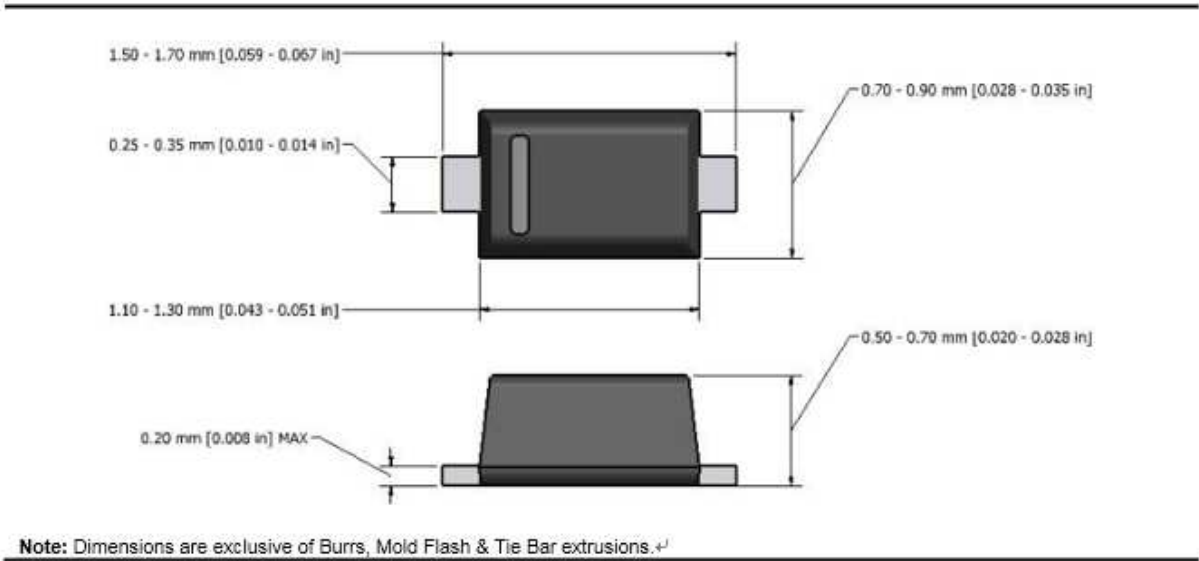
Typical Characteristics





Package Dimension





SOD-523





NOTICE

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