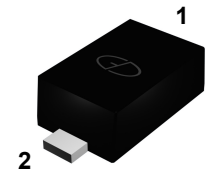


Features

- High Voltage
- High Reliability



Package: SOD-523

Absolute Maximum Ratings

(T_A=25°C unless otherwise noted)

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V _{RRM}	300	V
Continuous Reverse Voltage	V _R	240	V
Average Forward Current	I _O	200	mA
Continuous Forward Current	I _F	225	mA
Peak Repetitive Forward Current	I _{FRM}	625	mA
Peak Forward Surge Current, tp=1.0us	I _{FSM}	4.0	A
Peak Forward Surge Current, tp=1.0s	I _{FSM}	1.0	A
Power Dissipation	P _D	250	mW
Thermal Resistance	θ _{JA}	500	°C/W
Junction Temperature	T _J	150	°C
Storage Temperature range	T _{STG}	-55 to 150	

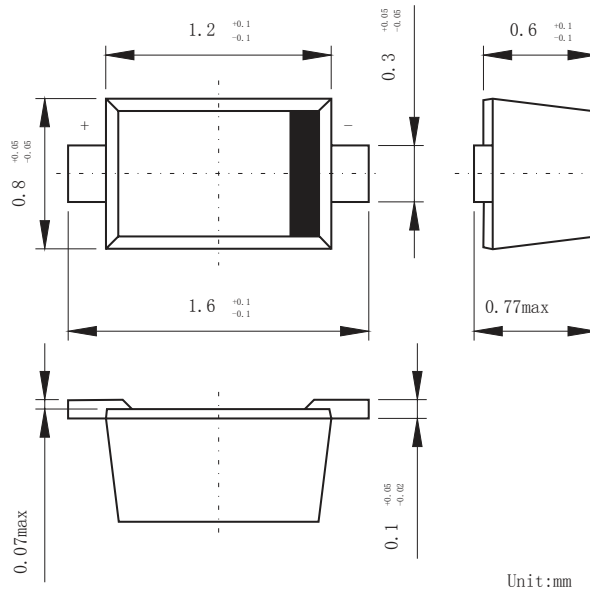
Electrical Characteristics

(T_A=25°C unless otherwise noted)

Parameter	Symbol	Test Conditions	Min	Max	Unit
Reverse Breakdown Voltage	B _{VR}	I _R = 100 uA	300		V
Forward Voltage	V _F	I _F = 100 mA		1.0	V
Reverse Voltage Leakage Current	I _R	V _R = 240 V		100	nA
		V _R = 240 V, T _A =150°C		100	uA
Capacitance Between Terminals	C _T	V _R = 0 , f= 1 MHz		5	pF
Reverse Recovery Time	T _{RR}	I _F =I _R =30mA, I _{rr} =3.0mA, R _L =100Ω		50	ns

Package Outline Dimensions

SOD-523



Unit:mm

Order Information

Device	Package	Marking	Carrier	Quantity	HSF Status
GMOD2004	SOD-523	04	Tape & Reel	3000pcs / Reel	RoHS compliant