

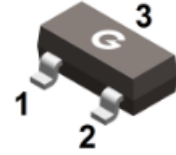
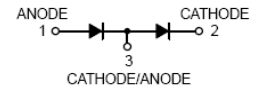
Features

- Low-distortion design
- Limiter performance to 1GHz
- Low insertion loss
- RoHS compliant with Halogen-free

HF

Mechanical Data

- Case: SOT-23
- Molding Compound: UL Flammability Classification Rating 94V-0
- Terminals: Matte tin-plated leads; solderability-per MIL-STD-202, Method 208



SOT-23

Ordering Information

Part Number	Package	Shipping Quantity	Marking Code
GMP1330	SOT-23	3000 pcs / Tape & Reel	A81

Maximum Ratings (@ T_A = 25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Continuous Reverse Voltage	V _R	20	V
Forward Current	I _F	100	mA

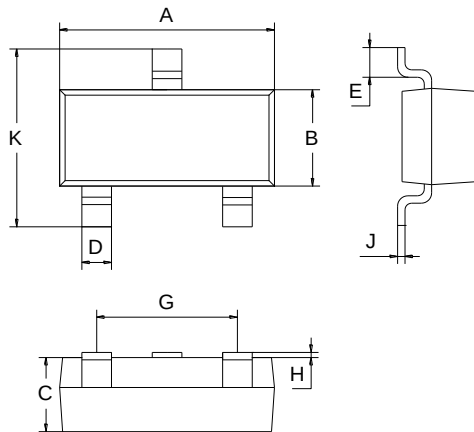
Thermal Characteristics

Parameter	Symbol	Value	Unit
Power Dissipation(T _{sp} = 90 °C)	P _D	250	mW
Operating Junction Temperature Range	T _J	-65 ~ +150	°C
Storage Temperature Range	T _{STG}	-65 ~ +150	°C

Electrical Characteristics (@ T_J = 25°C unless otherwise specified)

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Unit
V _R	Continuous Reverse Voltage	I _R = 10μA	20	-	-	V
I _R	Reverse Voltage Leakage Current	V _R = 20V	-	-	100	nA
C _{d1}	Diode Capacitance	V _R = 0V, f = 1MHz	-	1.9	-	pF
C _{d2}		V _R = 0V, f = 1GHz	-	1.9	-	pF
R _s	Series Resistance	I _F = 10mA, f = 100MHz	-	2	-	Ω

Package Outline Dimensions (Unit: mm)



SOT-23		
Dimension	Min.	Max.
A	2.70	3.10
B	1.10	1.50
C	0.9	1.1
D	0.3	0.5
E	0.35	0.48
G	1.80	2.00
H	0.02	0.1
J	0.05	0.15
K	2.20	2.60

Package Outline Dimensions (Unit: mm)

SOT-23

