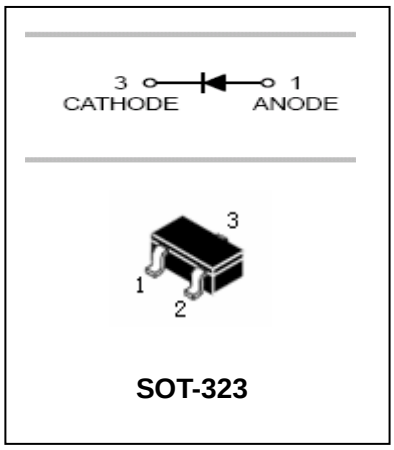
Surface Mount Switching Diode **1SS370**

FEATURES

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

Lead-free



SOT-323

APPLICATIONS

- For general purpose switching applications.

ORDERING INFORMATION

Type No.	Marking	Package Code
1SS370	F5	SOT-323

MAXIMUM RATING @ Ta=25℃ unless otherwise specified

Parameter	**Symbol**	**Limits**	**Unit**
Non-Repetitive Peak reverse voltage	V_{RM}	250	V
Diode reverse voltage	V_R	200	V
Forward peak Current(max.)	I_{FM}	300	mA
Average forward output Current	I_O	100	mA
Forward Surge Current (10ms)	I_{FSM}	2	A
Power Dissipation	P_d	100	mW
Junction temperature	T_j	125	℃
Storage temperature range	T_{stg}	-55-+125	℃

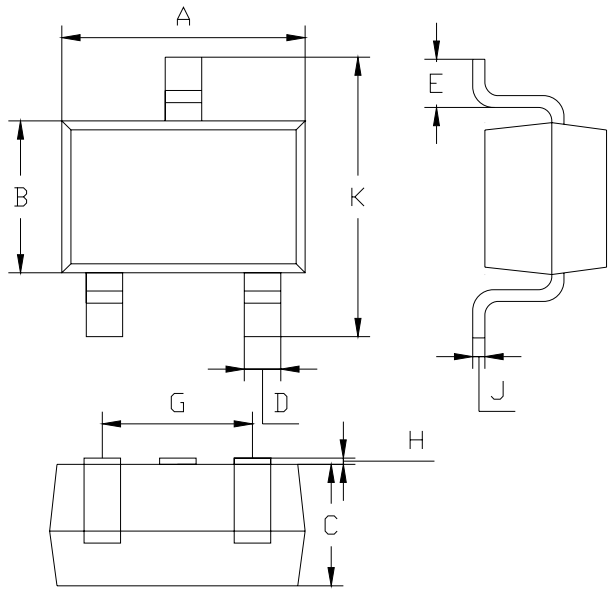
ELECTRICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

Parameter	**Symbol**	**Test conditions**	**MIN**	**MAX**	**UNIT**
Reverse current	I_R	V_R=50V V_R=200V		0.1 1	μA
Forward voltage	V_F	I_F=10mA I_F=100mA		1 1.2	V
Diode capacitance	C_D	V_R=0V f=1MHz		3.0	pF
Reverse recovery time	t_{rr}	I_F=I_R=10mA V_R=6V I_{rr}=I_R*0.1		60	nS

Surface Mount Switching Diode **1SS370**

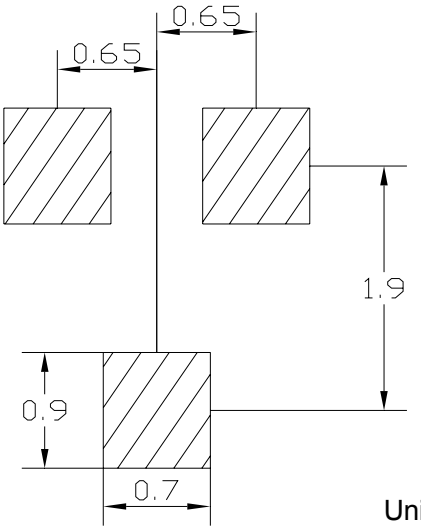
PACKAGE OUTLINE

Plastic surface mounted package SOT-323



SOT-323		
Dim	Min	Max
A	1.8	2.2
B	1.15	1.35
C	1.0Typical	
D	0.15	0.35
E	0.25	0.40
G	1.2	1.4
H	0.02	0.1
J	0.1Typical	
K	2.1	2.3
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
1SS370	SOT-323	3000/Tape&Reel