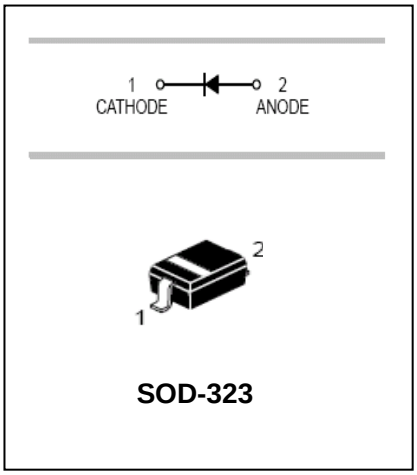
Silicon Epitaxial Planar Diode **1SS380**

FEATURES

- Small surface mounting type.
- High speed.
- Suitable for high packing density.

Lead-free



SOD-323

APPLICATIONS

- High speed switching.

ORDERING INFORMATION

Type No.	Marking	Package Code
1SS380	6D	SOD-323

MAXIMUM RATING @ Ta=25℃ unless otherwise specified

Parameter	**Symbol**	**Limits**	**Unit**
Peak reverse voltage	V_{RM}	40	V
DC Reverse Voltage	V_R	35	V
Peak forward Current	I_{FSM}	225	mA
Average Rectified Output Current	I_O	100	mA
Power Dissipation	P_D	200	mW
Junction temperature	T_j	125	℃
Storage temperature	T_{STG}	-55~+125	℃

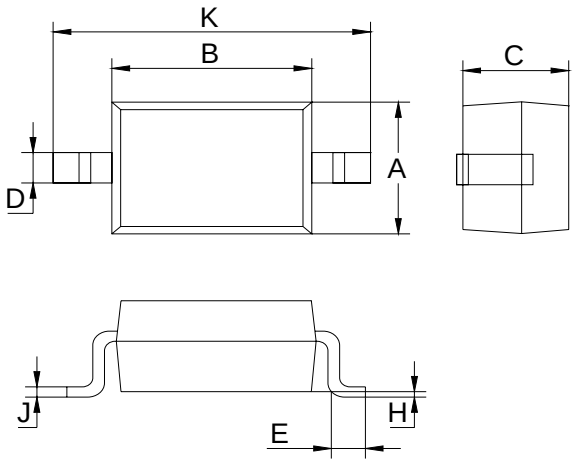
ELECTRICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

Parameter	**Symbol**	**Min.**	**Typ.**	**Max.**	**Unit**	**Conditions**
Forward voltage	V_F			1.2	V	I_F=100mA
Reverse current	I_R			15	nA	V_R=20V
Capacitance between terminals	C_T			5	pF	V_R=0.5V,f=1MHz

Silicon Epitaxial Planar Diode **1SS380**

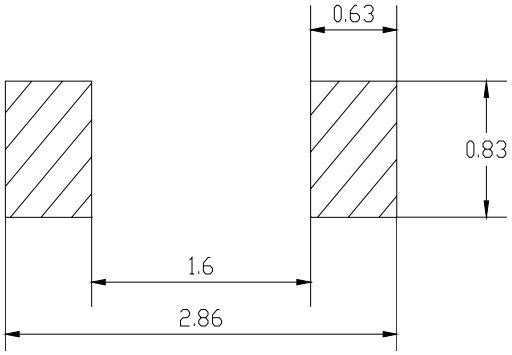
PACKAGE OUTLINE

Plastic surface mounted package SOD-323



SOD-323		
Dim	Min	Max
A	1.275	1.325
B	1.675	1.725
C	0.9 Typical	
D	0.25	0.35
E	0.27	0.37
H	0.02	0.1
J	0.1 Typical	
K	2.6	2.7
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
1SS380	SOD-323	3000/Tape&Reel