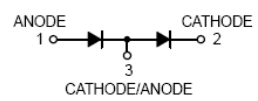
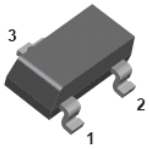
Surface mount switching diode **1SS226**

FEATURES

Lead-free

- Fast switching.
- Power dissipation. P_D:150mW(Tamb=25℃)
- Fast reverse recovery time:t_{rr}=1.6ns(typ.)





SOT-23

APPLICATIONS

- High speed switching application.

ORDERING INFORMATION

Type No.	Marking	Package Code
1SS226	C3	SOT-23

MAXIMUM RATING @ Ta=25℃ unless otherwise specified

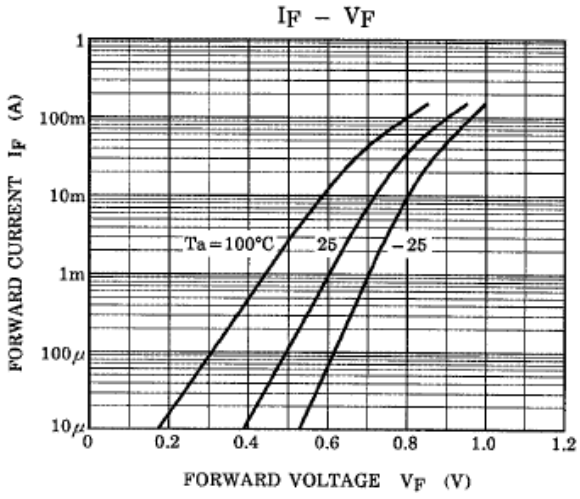
Characteristic	Symbol	Limits	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	85	V
DC Reverse Voltage	V_R	80	V
Forward Current(max)	I_{FM}	300	mA
Forward Output current	I_o	100	mA
Peak forward surge current @t=10ms	I_{FSM}	2	A
Power Dissipation	P_d	150	mW
Operating Junction Temperature Range	T_j	125	℃
Storage Temperature Range	T_{STG}	-55 to +125	℃

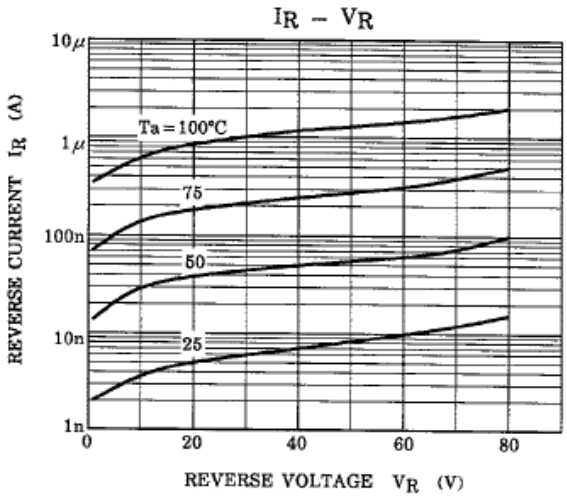
ELECTRICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

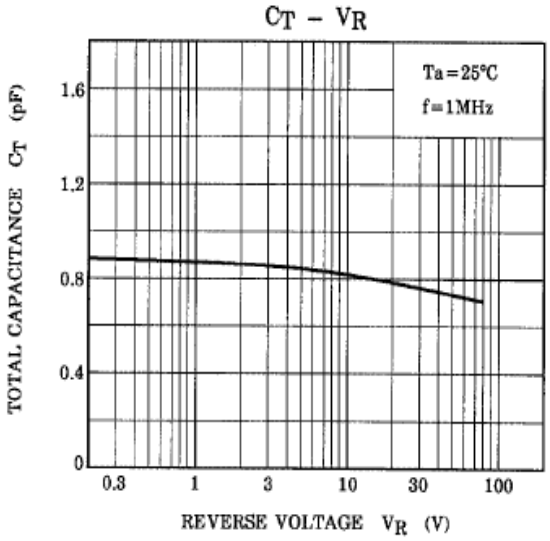
Characteristic	Symbol	Min	TYP	MAX	UNIT	Test Condition
Reverse Breakdown Voltage	$V_{(BR)R}$	80			V	I_R= 100μA
Forward Voltage	V_F		0.60 0.72 0.90	 1.2	V	I_F=100mA
Reverse Leakage Current	I_R			0.1 0.5	μA	V_R=30V V_R=80V
Diode Capacitance	C_D		0.9	3.0	pF	V_R=0V,f=1MHz
Reverse Recovery Time	t_{rr}		1.6	4.0	ns	I_F=I_R=10mAI_{rr}=0.1*I_R

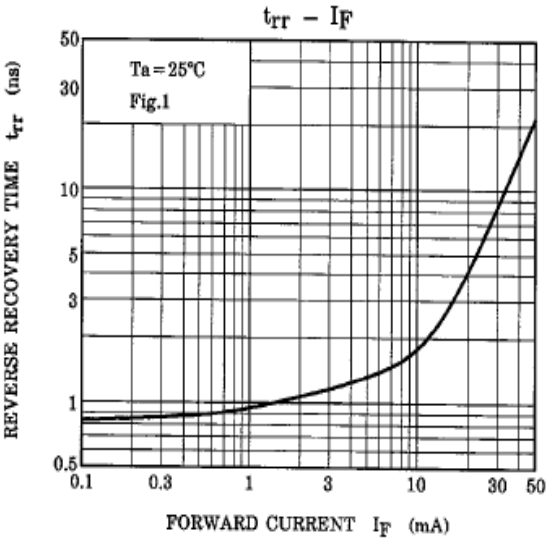
Surface mount switching diode **1SS226**

TYPICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified





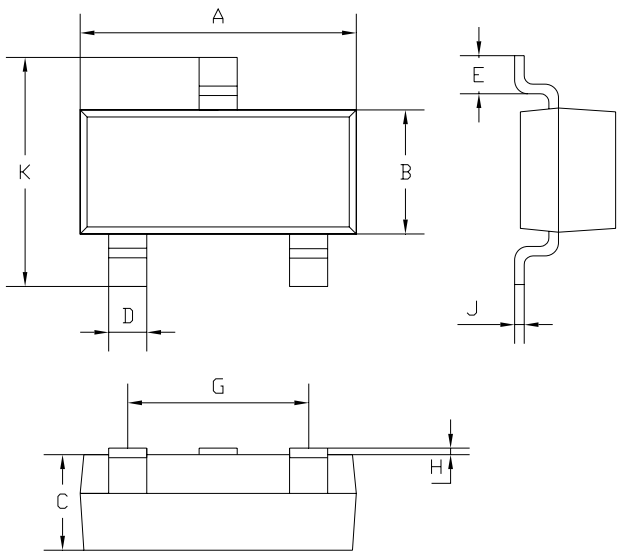




Surface mount switching diode **1SS226**

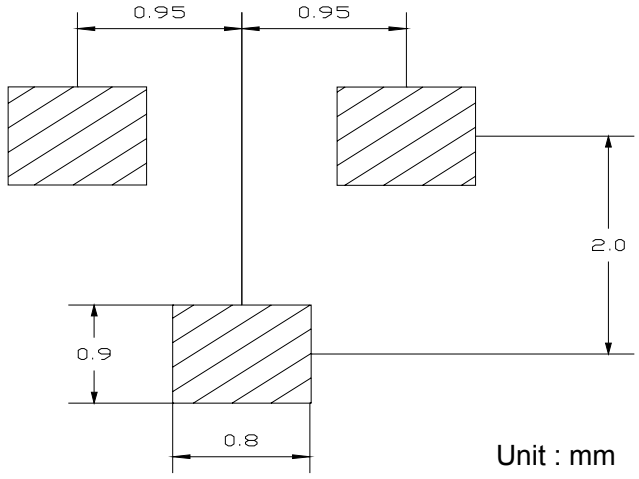
PACKAGE OUTLINE

Plastic surface mounted package SOT-23



SOT-23		
Dim	Min	Max
A	2.85	2.95
B	1.25	1.35
C	1.0Typical	
D	0.37	0.43
E	0.35	0.48
G	1.85	1.95
H	0.02	0.1
J	0.1Typical	
K	2.35	2.45
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
1SS226	SOT-23	3000/Tape&Reel