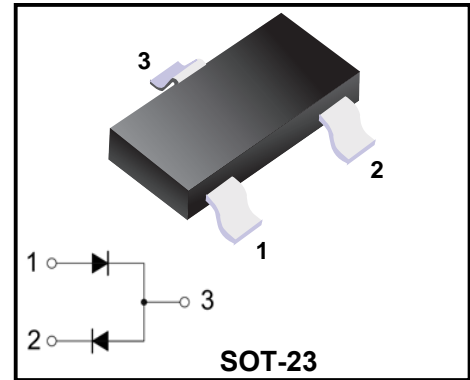


**Switching Diodes**

Marking Code	
1SS226	C3



**Features**

- Small Package
- Low forward voltage : $V_{F(3)} = 0.9\text{ V(Typ.)}$
- Fast Reverse Recovery Time : $t_{rr} = 1.6\text{ ns(Typ.)}$
- Small Total Capacitance : $C_T = 0.9\text{ pF(Typ.)}$

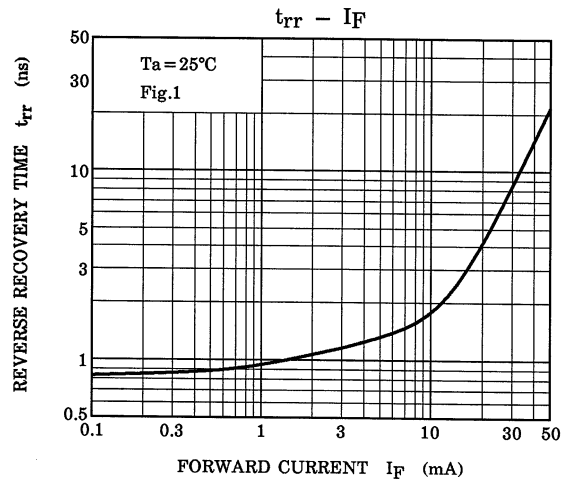
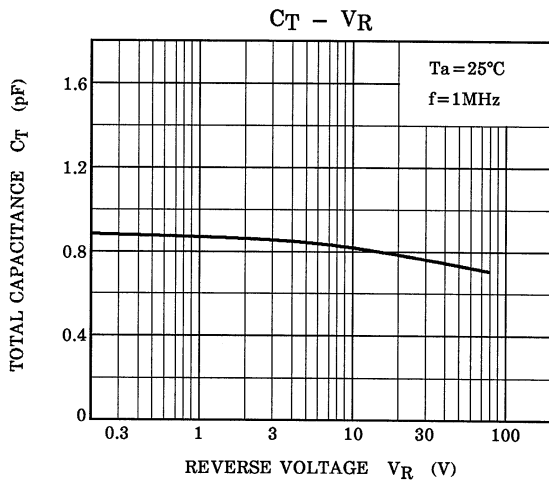
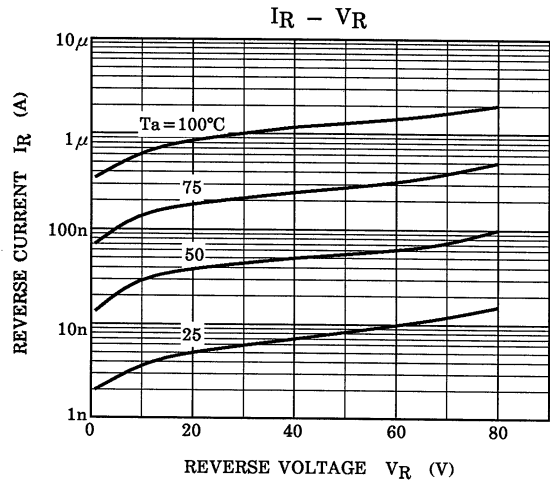
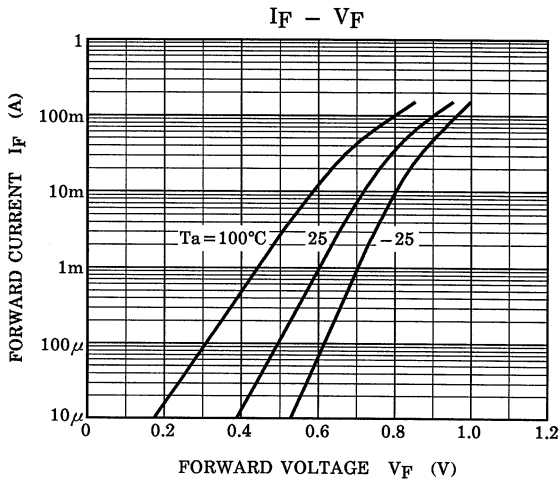
**Absolute Maximum Ratings (Ta=25°C)**

Parameter	Symbol	Rating	Unit
Peak Reverse voltage	$V_{RM}$	85	V
DC Blocking Voltage	$V_R$	80	
Average Rectified Output Current	$I_o$	100	mA
Peak forward surge current	$I_{FM}$	300	
Power Dissipation	$P_D$	150	mW
Junction Temperature	$T_J$	150	°C
Storage temperature range	$T_{stg}$	-55 to 150	

**Electrical Characteristics (Ta=25°C unless otherwise specified.)**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	$V_R$	$I_R = 100\text{ }\mu\text{A}$	80			V
Forward voltage	$V_{F1}$	$I_F = 1\text{ mA}$		0.6		
	$V_{F2}$	$I_F = 10\text{ mA}$		0.72		
	$V_{F3}$	$I_F = 100\text{ mA}$		0.9	1.2	
Reverse voltage leakage current	$I_{R1}$	$V_R = 30\text{ V}$			0.1	$\mu\text{A}$
	$I_{R2}$	$V_R = 80\text{ V}$			0.5	
Capacitance between terminals	$C_T$	$V_R = 0\text{ V}, f = 1\text{ MHz}$		0.9	3	pF
Reverse recovery time	$t_{rr}$	$I_F = 10\text{ mA}$		1.6	4	ns

Typical Characteristics



Ordering information

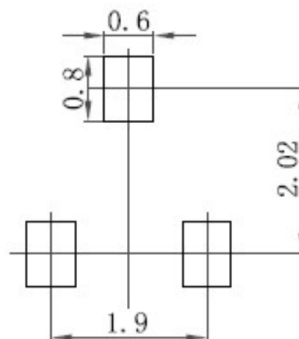
Package	Packing Description	Base Quantity	Packing Quantity
SOT-23	Tape/Reel, 7" reel	3000pcs/Reel	24000PCS/Box 120000PCS/Carton

Package Dimensions

SOT-23

Dim.	Millimeter (mm)		mil	
	Min.	Max.	Min.	Max.
A	0.9	1.15	35	45
A1	0.1		3.9	
bp	0.38	0.48	15	19
C	0.09	0.15	3.54	5.9
D	2.8	3.0	110	118
E	1.2	1.4	47	55
E	1.9		75	
E1	0.95		37	
HE	2.1	2.55	83	100
Lp	0.15	0.45	5.9	18
Q	0.45	0.55	18	22
v	0.2		7.9	
W	0.1		4	

The recommended mounting pad size



## Disclaimer

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