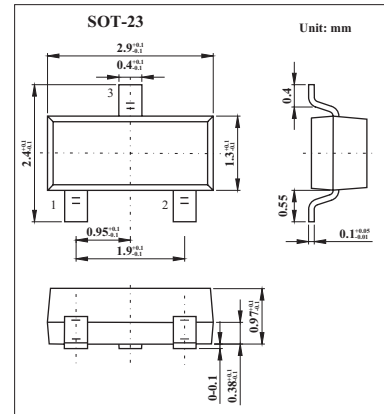
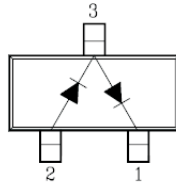


# KDS226

■ **Features**

- Low Forward Voltage.: $V_F=0.9V$ (Typ.)
- Fast Reverse Recovery Time: $t_{rr}=1.6ns$ (Typ).
- Small Total capacitance:  $C_T=0.9pF$ (Typ.)



■ **Absolute Maximum Ratings**  $T_a = 25^\circ C$

Parameter	Symbol	Rating	Unit
Maximum (Peak) Reverse Voltage	$V_{RM}$	85	V
Reverse Voltage	$V_R$	80	V
Average Forward Current	$I_o$	100	mA
Maximum (Peak) Forward Current	$I_{FM}$	300	mA
Surge Current (10mS)	$I_{FSM}$	2	A
Power Dissipation	$P_D$	150	mW
Junction Temperature	$T_j$	150	$^\circ C$
Storage Temperature Range	$T_{stg}$	-55 to 150	$^\circ C$

■ **Electrical Characteristics**  $T_a = 25^\circ C$

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=1mA$		0.60		V
		$I_F=10mA$		0.72		
		$I_F=100mA$		0.90	1.20	
Reverse Current	$I_R$	$V_R=80V$			0.5	$\mu A$
Total Capacitance	$C_T$	$V_R=0V, f=1MHz$		0.9	3.0	pF
Reverse Recovery Time	$t_{rr}$	$I_F=10mA$		1.6	4.0	nS

■ **Marking**

Marking	C3
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