

EVVOSEMI[®]

THINK CHANGE DO



ESD



TVS



MOS



LDO



Diode



Sensor



DC-DC

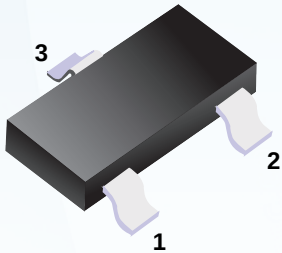
Product Specification

▶ Domestic	Part Number	EV1SS226-S1
▶ Overseas	Part Number	1SS226
▶ Equivalent	Part Number	1SS226

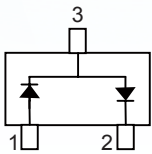
"S1" means SOT-23

EV is the abbreviation of name EVVO

■ Switching Diodes



■ Simplified outline(SOT-23)



■ 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 $T_a = 25^\circ\text{C}$

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	$^\circ\text{C}$
Storage temperature range	T_{stg}	-55 to 150	

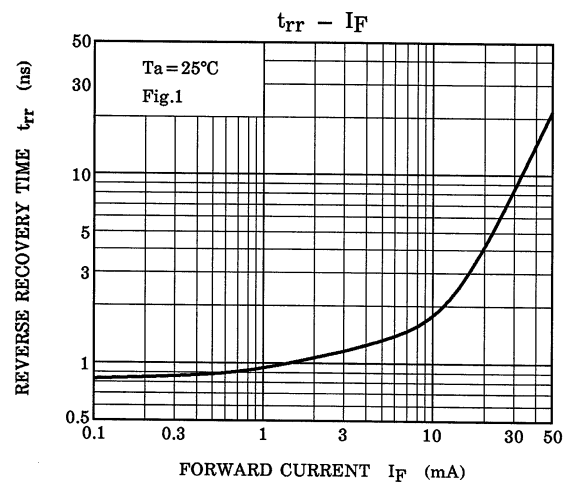
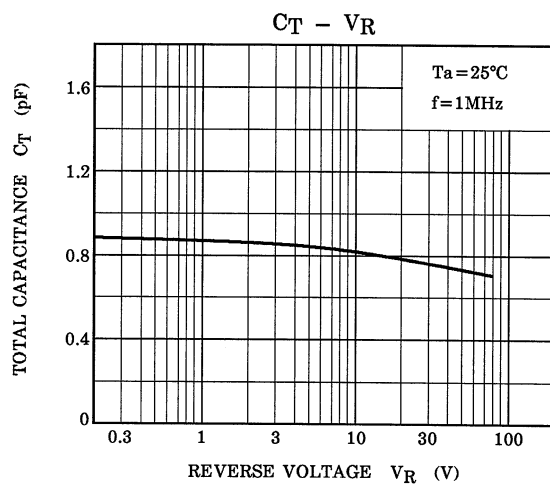
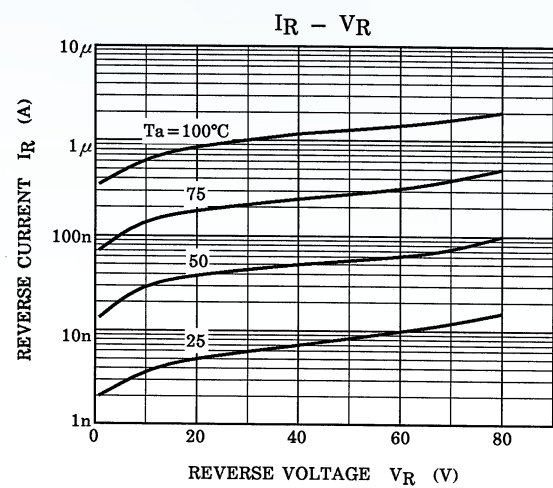
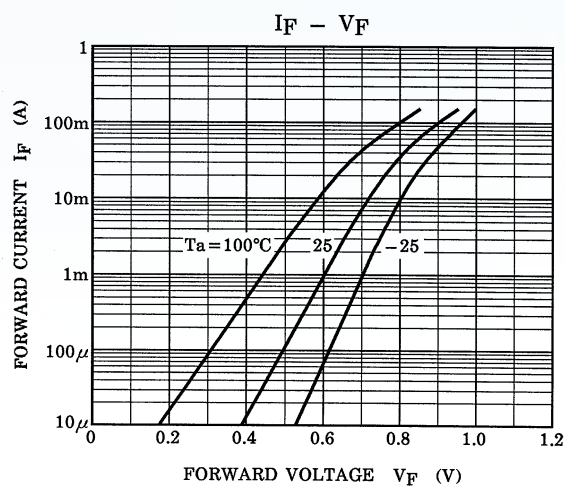
■ Electrical Characteristics $T_a = 25^\circ\text{C}$

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	μA
	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

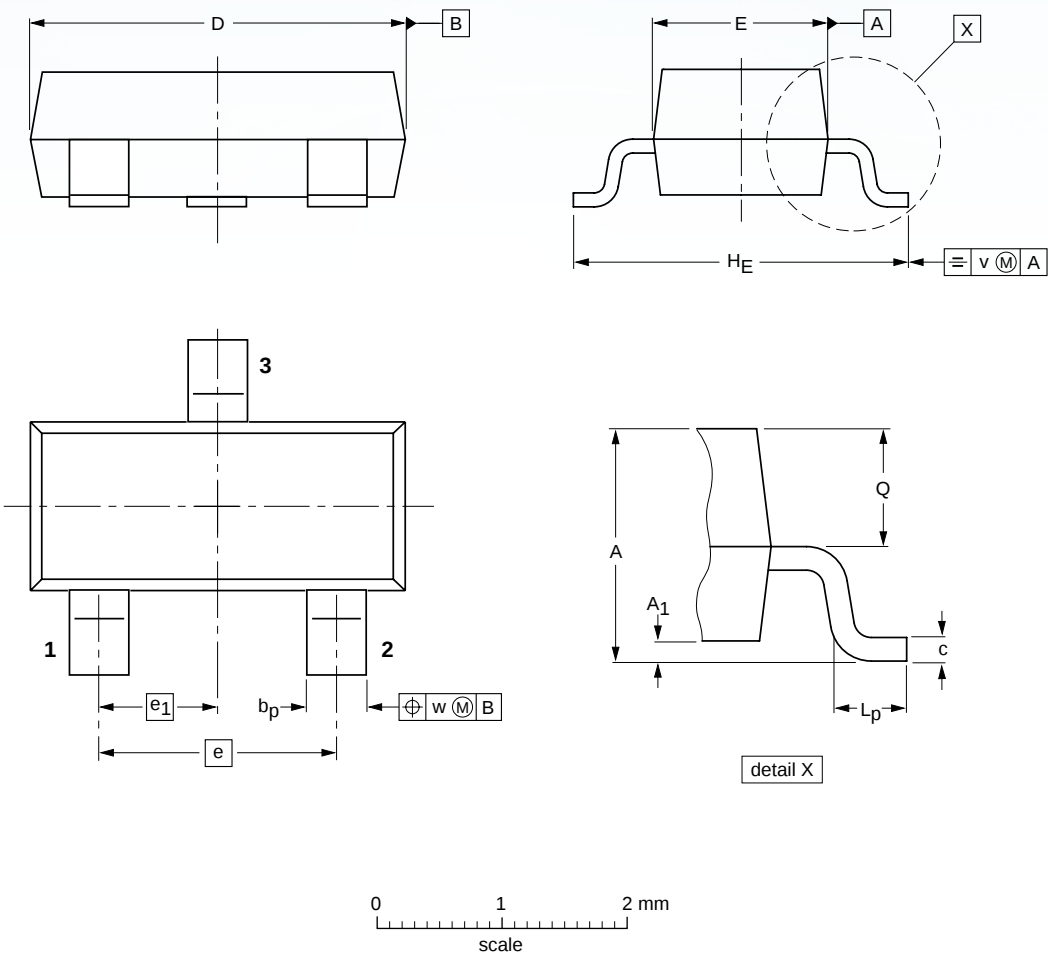
■ Marking

NO.	1SS226-S1
Marking	C3

Typical Characteristics



■ SOT-23



DIMENSIONS (mm are the original dimensions)

UNIT	A	A ₁ max.	b _p	c	D	E	e	e ₁	H _E	L _p	Q	v	w
mm	1.1 0.9	0.1	0.48 0.38	0.15 0.09	3.0 2.8	1.4 1.2	1.9	0.95	2.5 2.1	0.45 0.15	0.55 0.45	0.2	0.1

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