

EVVOSEMI[®]

THINK CHANGE DO



ESD



TVS



MOS



LDO



Diode



Sensor



DC-DC

Product Specification

▶ Domestic	Part Number	EVBAV74-S1
▶ Overseas	Part Number	BAV74
▶ Equivalent	Part Number	BAV74

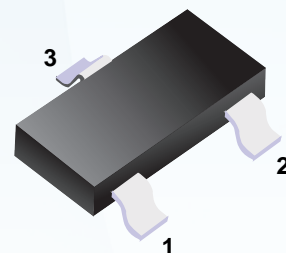
"S1" means SOT-23

EV is the abbreviation of name EVVO

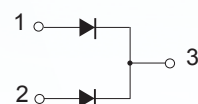
■ Switching Diode

■ Features

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- High Conductance



■ Simplified outline(SOT-23)

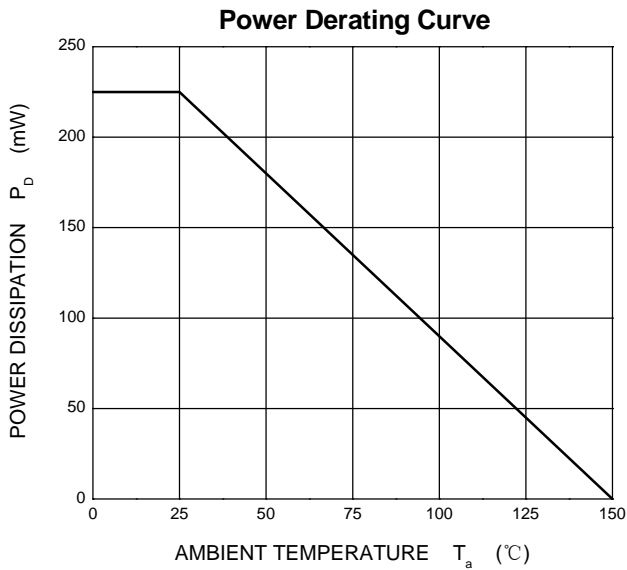
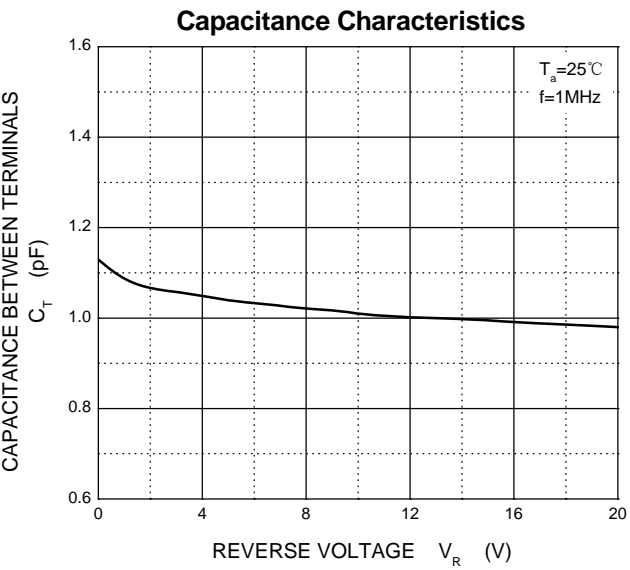
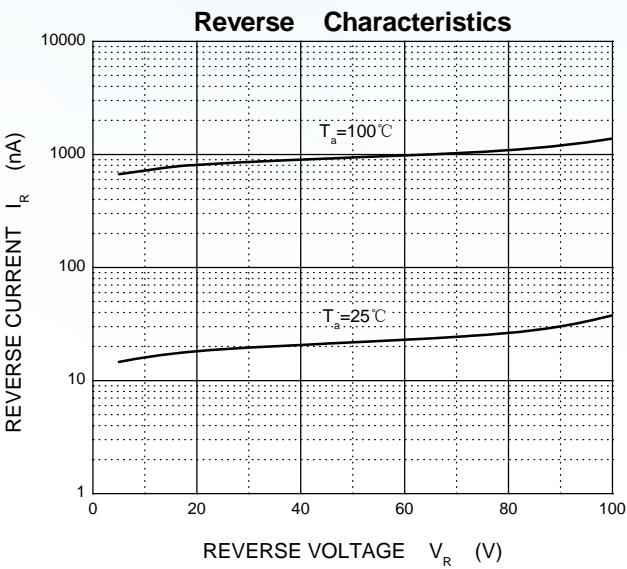
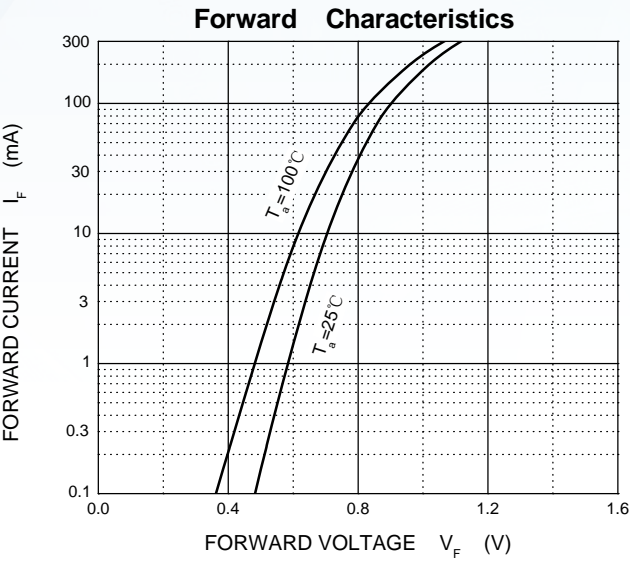


■ Absolute Maximum Ratings Ta = 25°C

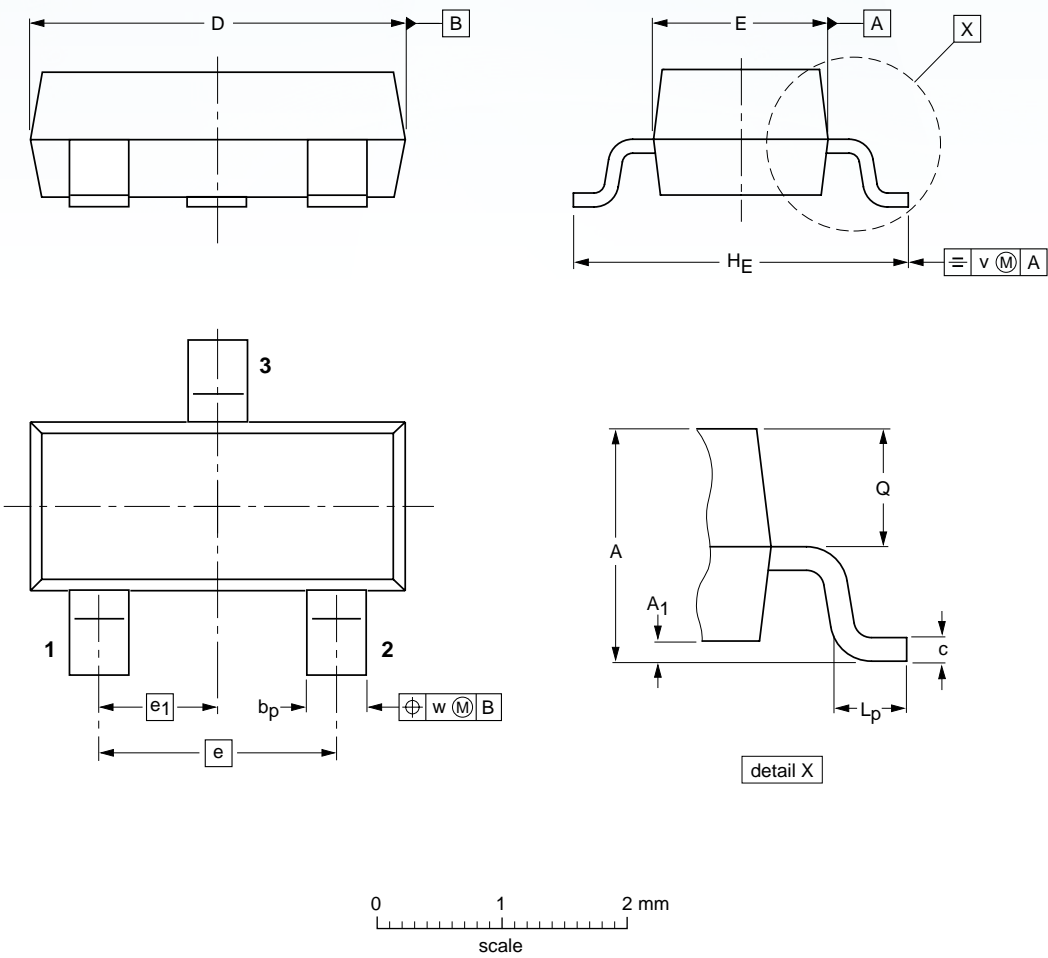
Parameter	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage DC Blocking Voltage	V_{RM} V_R	50	V
Average Rectified Output Current	I_O	200	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I_{FSM}	2.0	A
Power Dissipation	P_D	225	mW
Thermal Resistance From Junction to Ambient	$R_{\theta JA}$	556	°C/W
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{STG}	-55~+150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 5\mu A$	50		V
Reverse voltage leakage current	I_R	$V_R = 50V$		0.1	μA
Forward voltage	V_F	$I_F = 100mA$		1	V
Diode Capacitance	C_D	$V_R = 0, f = 1MHz$		2	pF
Reverses recovery time	t_{rr}	$I_F = I_R = 10mA, R_L = 100\Omega,$ $I_r = 0.1 \times I_R$		4	ns



■ 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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