

# EVVOSEMI<sup>®</sup>

THINK CHANGE DO



ESD



TVS



MOS



LDO



Diode



Sensor



DC-DC

## Product Specification

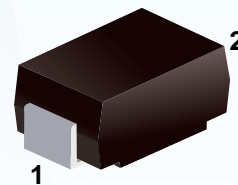
▶ Domestic	Part Number	SK32A-SK36A
▶ Overseas	Part Number	SK32A-SK36A
▶ Equivalent	Part Number	SK32A-SK36A

EV is the abbreviation of name EVVO

## ■ Surface Mount Schottky Barrier Rectifier

### ■ Features

- For Surface Mounted Applications
- High Reliability
- High Current Capability and Low  $V_F$



■ Simplified outline(SMA)

### ■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

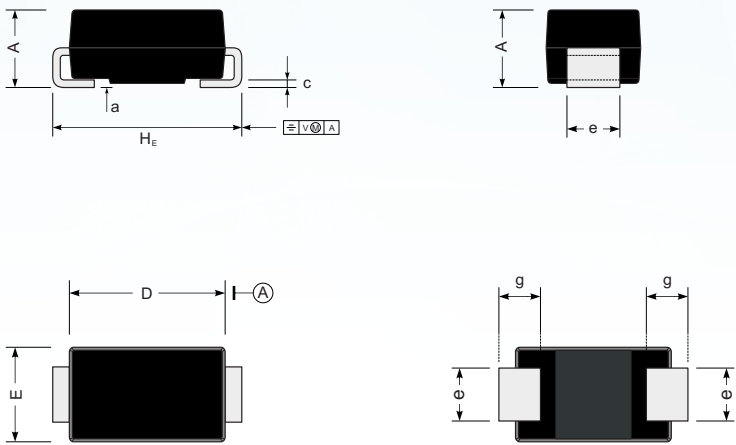
Parameter	Symbol	SK32	SK33	SK34	SK35	SK36	Unit
Maximum recurrent peak reverse voltage	V <sub>RRM</sub>	20	30	40	50	60	V
Maximum RMS voltage	V <sub>RMS</sub>	14	21	28	35	42	V
Maximum DC blocking voltage	V <sub>DC</sub>	20	30	40	50	60	V
Average forward rectified current @T <sub>L</sub> = 75°C	I <sub>o</sub>	3					A
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load	I <sub>FSM</sub>	100					A
Maximum instantaneous forward voltage at 3.0A <sup>1</sup>	V <sub>F</sub>	0.5			0.75		V
Maximum DC reverse current at rated @ T <sub>A</sub> = 25°C @T <sub>A</sub> = 100°C	I <sub>R</sub>	0.5 20					mA
Maximum thermal resistance <sup>2</sup>	R <sub>θJA</sub>	75					°C/W
Typical junction capacitance <sup>3</sup>	C <sub>J</sub>	300					pF
Operating and storage temperature range	T <sub>stg</sub>	-55 to +150					°C

\*1. Pulse test width  $300\mu\text{s}$ , duty cycle 2%

\*2.  $8.0\text{ mm}^2$  (0.13mm thick) land pads

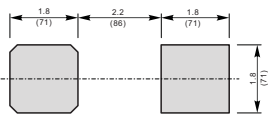
\*3. Measured at 1.0 MHz and applied reverse voltage of 4.0V

■ SMA



UNIT		A	D	E	H <sub>E</sub>	c	e	g	a
mm	max	2.2	4.5	2.7	5.2	0.31	1.6	1.5	0.3
	min	1.9	4.0	2.3	4.7	0.15	1.3	0.9	
mil	max	87	181	106	205	12	63	59	12
	min	75	157	91	185	6	51	35	

■ The recommended mounting pad size



Unit :  $\frac{\text{mm}}{(\text{mil})}$

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