

# SB140S

<b>SCHOTTKY DIE SPECIFICATION</b>		TYPE: SB140S
General Description: 40 V 1 A ( <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Low) VF,		( <input checked="" type="checkbox"/> Single <input type="checkbox"/> Dual) Anode

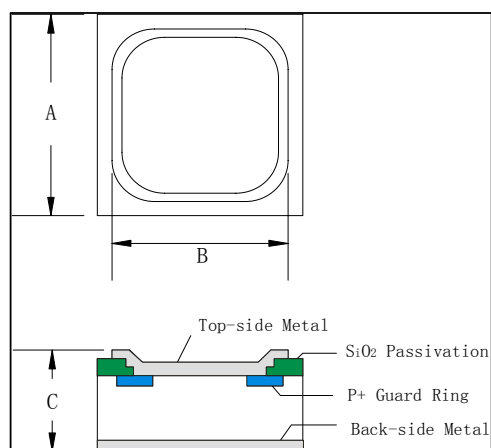
ELECTRICAL CHARACTERISTICS	SYM	Spec. Limit	UNIT
DC Blocking Voltage @ IR=1mA	VRRM	40	Volt
Average Rectified Forward Current	IFAV	1	Amp
Maximum Instantaneous Forward Voltage			
@ 1 Ampere, Ta=25 °C	VF MAX	0.520	Volt
Reverse current			
@ VR= 43 Volt, Ta=25 °C	IR MAX	0.100	mA
<b>MAXIMUM RATINGS</b>			
Nonrepetitive Peak Surge Current	IFSM	32	Amp
Operating Junction Temperature	Tj	125	°C
Storage Temperature	TSTG	-50 to +150	°C

Specifications apply to die only. Actual performance may degrade when assembled.

We do not guarantee device performance after assembly.

Data sheet information is subjected to change without notice.

## DICE OUTLINE DRAWING



DIM	ITEM	µm	Mil	
A	Die Size	762	30.00	
B	Top Metal Pad Size	678	26.69	
C	Die	Thickness (Min)	280	11.02
		Thickness (Max)	300	11.81
	Wafer	Thickness (Min)	190	7.48
		Thickness (Max)	210	8.27

### **PS:**

(1) Cutting street width is around 16µm (0.62mil).

(2) Both of top-side and back-side metals are Ti/Ni/Ag.