

SB140S

SCHOTTKY DIE SPECIFICATION		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

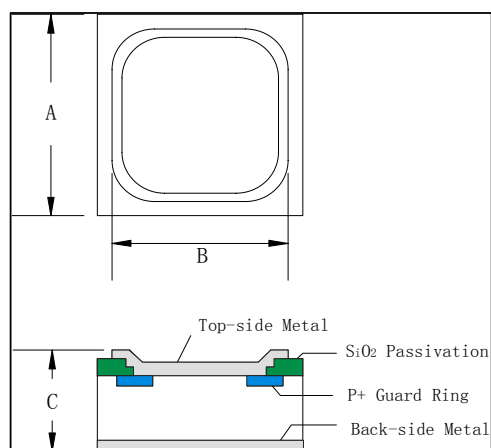
ELECTRICAL CHARACTERISTICS	SYM	Spec. Limit	UNIT
DC Blocking Voltage @ IR=1mA	VRRM	40	Volt
Average Rectified Forward Current	IFAV	1	Amp
Maximum Instantaneous Forward Voltage			
@ 1 Ampere, Ta=25 °C	VF MAX	0.520	Volt
Reverse current			
@ VR= 43 Volt, Ta=25 °C	IR MAX	0.100	mA
MAXIMUM RATINGS			
Nonrepetitive 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.