

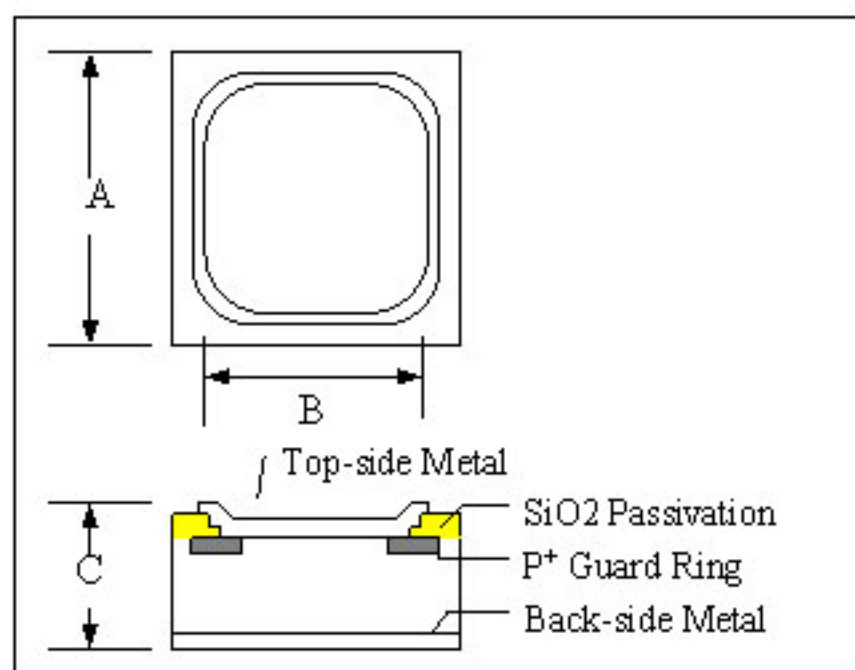
SCHOTTKY DIE SPECIFICATION**Product Type: MBR345****General Description: 45V 3A Low IR**

ELECTRICAL CHARACTERISTICS	SYM	Spec. Limit	UNIT
Reverse Breakdown Voltage: $I_r=0.25\text{mA}$	VBRM	48	Volt
Average Rectified Forward Current	IFAV	3.0	Amp
Maximum Instantaneous Forward Voltage			
@ 3 Amperes, $T_a=25^\circ\text{C}$	VF MAX	0.550	Volt
Maximum Instantaneous Reverse Current			
$V_R=48$ Volt, $T_a=25^\circ\text{C}$	IR MAX	0.050	mA
MAXIMUM RATINGS			
<u>Nonrepetitive Peak Surge Current</u>			
Semi-Sine Wave, Duty = 8.3ms · 1cycle	IFSM	105	Amp
Operating Junction Temperature	T_j	150	$^\circ\text{C}$

Specification is applied to die only. Actual performance may degrade when assembled.

MPEC does 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	1524	60.00
B	Top Metal Pad Size	1444	56.85
C	Thickness	305	12.00

(1) Cutting street width is around $16\mu\text{m}$ (0.63mil).

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