FABTECH INCORPORATED

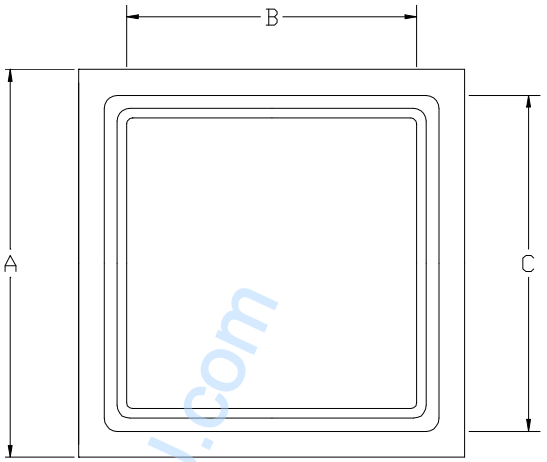
SCHOTTKY DIE SPECIFICATION

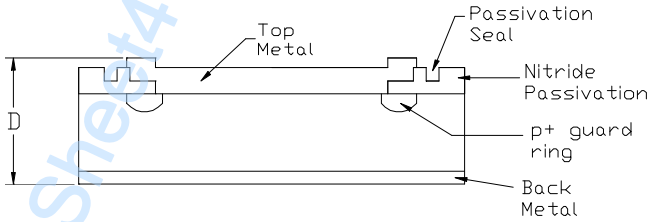
MB145

Revision 4 5/22/2000

General Description Low Ir 45V 1A Single Anode

ELECTRICAL CHARACTERISTICS	SYM	Spec. Limit	Die Sort	UNIT
DC Blocking Voltage: Ir = 0.05 mA	VRRM	45	47.5	Volt
Average Rectified Forward Current	IFAV	1		Amp
Maximum Instantaneous Forward Voltage				
@ 1 Amperes, 25^0	VFMAX	0.52	0.51	Volt
@ 2 Amperes, 25^0	VFMAX	0.7	0.69	Volt
Maximum Instantaneous Reverse Voltage				
VR = 45 Volt, Tc = 25^0	IRMAX	0.05	0.04	mA
Maximum Junction Capacitance at 0V, 1MHz	Cj MAX	80		pF
MAXIMUM RATINGS				
Nonrepetitive Peak Surge Curren	IFSM	40		AMP
Operating Juntion Temperatur	TJ	-65 to +125		^0C
Storage Temperature	TSTG	-65 to +12		^0C





DIM	ITEM	um	mil
Ax	Die Size	1000	39.3
Ay		1000	39.3
Bx	Top Metal pad size	860	33.8
By		860	33.8
Cx	Passivation Seal	963	37.9
Cy		963	37.9
D	Thickness (Min)	228	9.0
	Thickness (Max)	254	10.0

SCRIBE INSTRUCTION:

Die performance is assured providing the die separation process leaves the Passivation Seal free of any visible damage.

This die is designed to meet the following specifications:

10BQ040, B140HB

Please refer to FabTech SBR-Series Ordering Guide to create a complete part numbers for ordering. Complete part number will specify metalization and delivery options.

Specifications apply to die only. Actual performance may degrade when assembled. FabTech does not guarantee device performance after assembly. Datasheet Information is subject to change without notice.

777 N.W. Blue Parkway, Suite 350 • Lee's Summit, MO 64086-5709 • TEL (816) 251-8800 • FAX (816) 251-8850