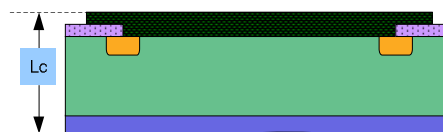
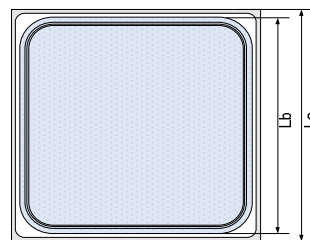


2SB183060MA SCHOTTKY BARRIER DIODE CHIPS

DESCRIPTION

- 2SB183060MA is a schottky barrier diode chips fabricated in silicon epitaxial planar technology;
- Low power losses, high efficiency;
- High ESD capability;
- High surge capability;
- Guard ring construction for transient protection;
- Packaged products are widely used in switching power suppliers, polarity protection circuits and other electronic circuits.



Chip Topography

ORDERING SPECIFICATIONS

Product Name	Specification
2SB183060MAYY	Top metal is Ag, for solder process; Back metal is Ag, for solder process.

CHIP INFORMATION

Item	Characterization
Wafer Size	5Inch
Gross Die	3,232dice/wafer
Die Size(La)	1830μm
Top Pad Size(Lb)	1690μm
Wafer Thickness(Lc)	280±20μm
Top Metal / Thickness	Ag:5μm
Back Metal / Thickness	Ag:1.2μm
Passivation	SiO2
Scribe Line Width	50μm

ABSOLUTE MAXIMUM RATINGS (at DO-201AD package)

Parameters	Symbol	Ratings	Unit
Maximum Repetitive Peak Reverse Voltage	VRRM	60	V
Average Forward Rectified Current	IFAV	5	A
Peak Forward Surge Current@8.3ms	IFSM	125	A
Maximum Operation Junction Temperature	TJ	150	°C
Storage Temperature Range	TSTG	-40~150	°C

ELECTRICAL CHARACTERISTICS (Tamb=25°C)

Parameters	Symbol	Test Conditions	Min.	Max.	Unit
Reverse Voltage	VBR	IR=100μA	60	--	V
Forward Voltage	VF	IF=5A	--	0.65	V
Reverse Current	IR	VR=60V	--	100	μA

Disclaimer :

- Silan reserves the right to make changes to the information herein for the improvement of the design and performance without further notice! Customers should obtain the latest relevant information before placing orders and should verify that such information is complete and current.
- All semiconductor products malfunction or fail with some probability under special conditions. When using Silan products in system design or complete machine manufacturing, it is the responsibility of the buyer to comply with the safety standards strictly and take essential measures to avoid situations in which a malfunction or failure of such Silan products could cause loss of body injury or damage to property.
- Silan will supply the best possible product for customers!