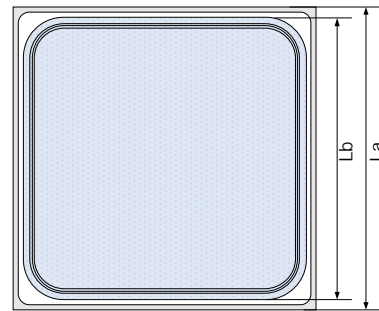


2SB053020MTJY SCHOTTKY BARRIER DIODE CHIPS
DESCRIPTION

- Ø 2SB053020MTJY is a schottky barrier diode chips fabricated in silicon epitaxial planar technology;
- Ø Low power losses, high efficiency;
- Ø Guard ring construction for transient protection;
- Ø Low forward voltage drop;
- Ø High ESD capability;
- Ø High surge capability;
- Ø Packaged products are widely used in switching power suppliers, polarity protection circuits and other electronic circuits;
- Ø Chip Size:530µm X 530µm;
- Ø Chip Thickness: 155±20µm
- Ø Gross die:39000 Die/Wafer(5 inch)


Chip Topography and Dimensions
La: Chip Size: 530µm;
Lb: Pad Size: 420µm;
ORDERING SPECIFICATIONS

Product Name	Specification
2SB053020MTJY	For Au and AlSi wire bonding package

ABSOLUTE MAXIMUM RATINGS

Parameters	Symbol	Ratings	Unit
Maximum Repetitive Peak Reverse Voltage	VRRM	20	V
Average Forward Rectified Current	IFAV	0.5	A
Peak Forward Surge Current@8.3ms	IFSM	6.5	A
Maximum Operation Junction Temperature	TJ	125	°C
Storage Temperature Range	TSTG	-40~125	°C

ELECTRICAL CHARACTERISTICS (Tamb=25°C)

Parameters	Symbol	Test Conditions	Min.	Max.	Unit
Reverse Voltage	VBR	IR=150uA	20	--	V
Forward Voltage	VF1	IF=100mA	--	0.375	V
	VF2	IF=500mA	--	0.44	V
Reverse Current	IR1	VR=10V	--	40	uA
	IR2	VR=20V	--	150	uA