

Schottky Barrier Rectifier in DO-214AA/SMB

Features

- Schottky barrier diodes
- Low forward voltage drop
- High Tunction Temperature

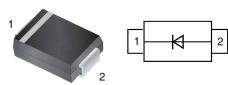
Mechanical Data

Case: DO-214AA/SMB (plastic package). Lead free; RoHS compliant; Halogen-free

■ Molding Compound Flammability Rating:

UL 94 V-0

■ **Terminals:** High temperature soldering guaranteed: 260 °C/10 sec. at terminals



Applications

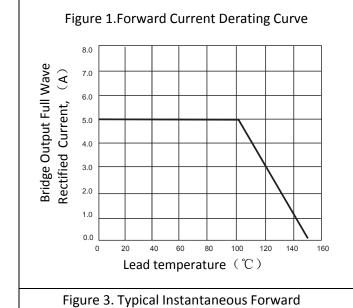
For use in low voltage, high frequency inverters, free wheeling, and polarity protection application

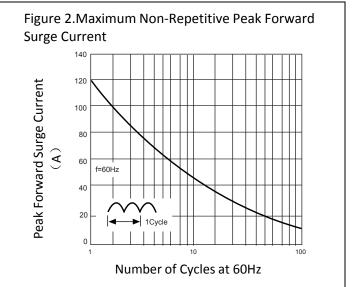
Absolute Maximum Ratings Ratings at 25 °C, ambient temperature unless otherwise specified									
Parameter	SYMBOLS	SK52B	SK54B	SK56B	SK58B	SK510B	SK515B	SK520B	UNITS
Maximum repetitive peak reverse voltage		20	40	60	80	100	150	200	V
Maximum RMS voltage		14	28	42	56	70	105	140	V
Maximum DC blocking voltage		20	40	60	80	100	150	200	V
Maximum average forward rectified current at TL=100° C	l(AV)	5.0				А			
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	IFSM	120.0				А			
Maximum instantaneous forward voltage at 5.0A	VF	0.55 0.70		0.70	0.85		0.95		V
Maximum DC reverse current T A =25 C at rated DC blocking voltage TA=125 C	lR	0.5 50 0.05 10			m A				
Typical thermal resistance	RqJA	80.0			°C/W				
Operating junction temperature range	TJ	-55 to +150				°C			
Storage temperature range	Тѕтс	-55 to +150			°C				

Note1:Thermal resistance from junction to lead,mounted on PCB with 5.0×5.0mm copper pads



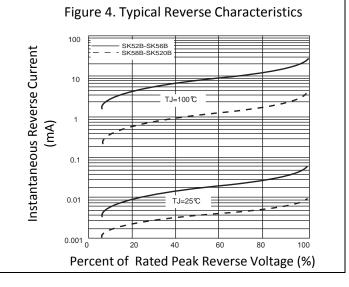
Typical Characteristics ($T_{amb} = 25 \, {}^{\circ}\text{C}$ unless otherwise specified)





Characteristics

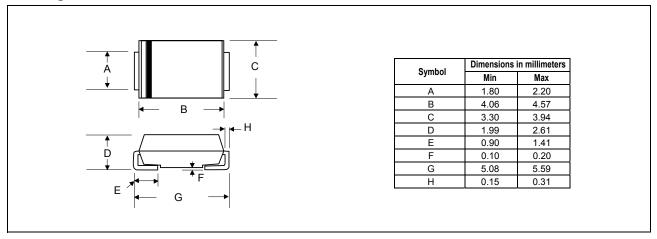
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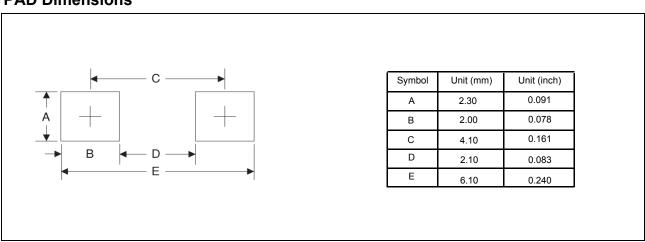
Rev. 2.0 www.crea-tek.com



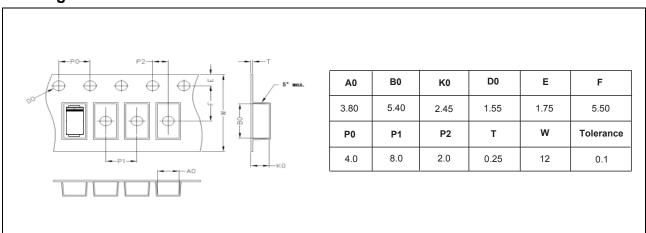
Package Dimensions



PAD Dimensions

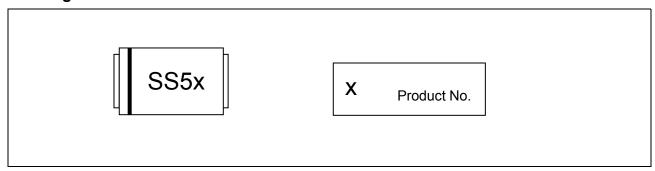


Packing Information





Marking



Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification	
SK52B Thur SK520B	DO-214AA/SMB	Tape and reel	3000pcs / reel	EIA STD RS-481	

Revision history

Date	Revision	Changes
23-May-2012	1.0	Initial release
20-Dec2018	2.0	Update



SK52B thur SK520B

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