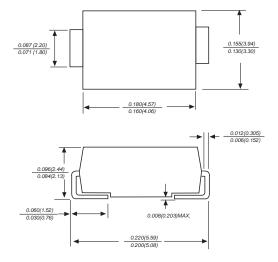
SK52B THRU SK510B

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

Reverse Voltage - 20 to 100 Volts Forward Current - 5.0 Amperes

DO-214AA



Dimensions in inches and (millimeters)

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- Built-in strain relief,ideal for automated placement
- High forward surge current capability
- High temperature soldering guaranteed: 260°C/10 seconds at terminals

MECHANICAL DATA

Case: JEDEC DO-214AA molded plastic body Terminals: leads solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.003 ounce, 0.093 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

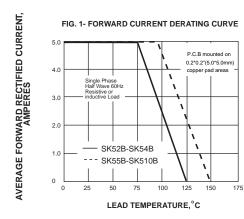
	SYMBOLS	SK52B	SK53B	SK54B	SK55B	SK56B	SK58B	SK510B	UNITS
Maximum repetitive peak reverse voltage	Vrrm	20	30	40	50	60	80	100	V
Maximum RMS voltage	VRMS	14	21	28	35	42	56	70	V
Maximum DC blocking voltage	VDC	20	30	40	50	60	80	100	V
Maximum average forward rectified current at TL(see fig.1)	l(AV)	5.0						А	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	IFSM	100.0						А	
Maximum instantaneous forward voltage at 5.0A	VF		0.55			0.70 0.		85	V
Maximum DC reverse current Ta=25℃ at rated DC blocking voltage Ta=100℃	lr	0.5 20				_	0.1	mA	
Typical junction capacitance (NOTE 1)	Сı		200						pF
Typical thermal resistance (NOTE 2)	RθJA		68.0						°C/W
Operating junction temperature range	TJ,	-	-55 to +125 -55 to +150					°C	
Storage temperature range	Тѕтс	-55 to +150						°C	

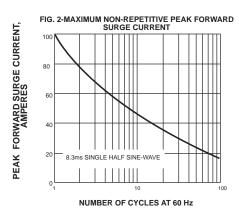
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

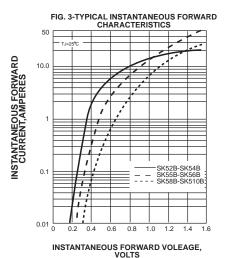
2.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

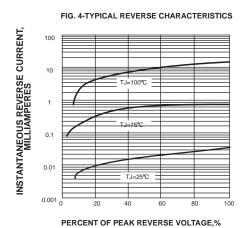


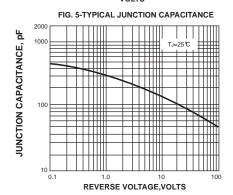
RATINGS AND CHARACTERISTIC CURVES SK52B THRU SK510B

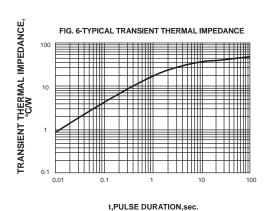












单击下面可查看定价,库存,交付和生命周期等信息

>>STAR SEA(星海)