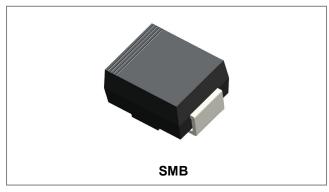


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SK26 SCHOTTKY RECTIFIER



Features

- Schottky Barrier Chip
- Guard Ring Die Construction for Transient Protection
- High Current Capability
- Low Power Loss, High Efficiency
- High Surge Current Capability
- For Use in Low Voltage, High Frequency Inventers, Free Wheeling, and Polarity Protection Applications
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Mechanical Data

- Case: Low Profile Molded plastic
- Terminals: Plated leads solderable per MIL-STD-750, Method 2026
- Polarity: Color band or cathode Notch
- Mounting Position: Any
- Weight: 0.09grams(approx)

Maximum Ratings:

Characteristics	Symbol	Condition	Max.	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	-	60	V
Average Rectified Forward Current	I _{F (AV)}	50% duty cycle @T _A =55°C, rectangular wave form	2	А
Peak One Cycle Non-Repetitive Surge Current	I _{FSM}	8.3ms, Half Sine pulse, T_c = 25 °C	50	А

Electrical Characteristics:

Characteristics	Symbol	Condition	Тур.	Max.	Units
Forward Voltage Drop*	V _{F1}	@ 2A, Pulse, T _J = 25 °C	0.58	0.70	V
Reverse Current*	I _{R1}	@V _R = rated V _R , T _J = 25 °C	0.01	0.5	mA
	I _{R2}	@V _R = rated V _R , T _J = 100 °C	1	20	mA
Junction Capacitance	Ст	@V _R = 5V, T _C = 25 °C, f _{SIG} = 1MHz	80	400	pF
Series Inductance	Ls	Measured lead to lead 5 mm from package body	8.0	-	nH
Voltage Rate of Change	dv/dt	-	-	10,000	V/μs

* Pulse width < 300 µs, duty cycle < 2%

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Circuit Diagram



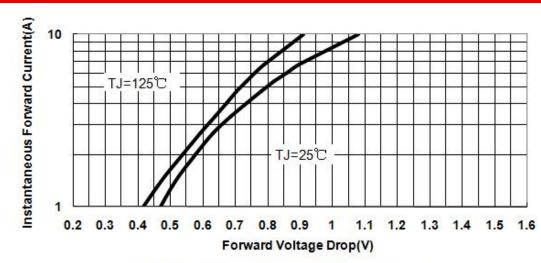


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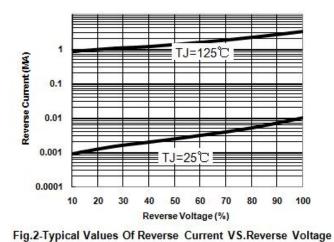
Thermal-Mechanical Specifications:

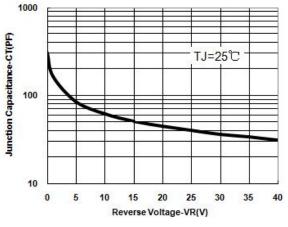
Ratings and Characteristics Curves

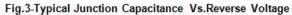
Characteristics	Symbol	Condition	Specification	Units
Junction Temperature	TJ	-	-55 to +150	°C
Storage Temperature	T _{stg}	-	-55 to +150	°C
Typical Thermal Resistance Junction to Ambient	$R_{ heta JA}$	DC operation	75	°C/W
Approximate Weight	wt	-	0.09	g











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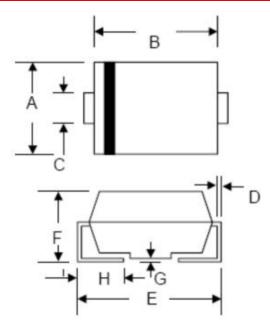




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Mechanical Dimensions SMB



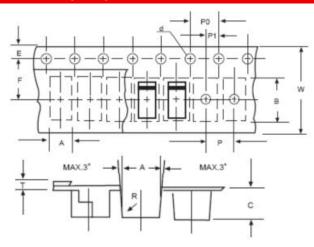
SYMBOL	SYMBOL		Inches	
STMIDUL	Min.	Max.	Min.	Max.
A	3.30	3.94	0.130	0.155
В	4.06	4.70	0.160	0.185
С	1.80	2.20	0.071	0.087
D	0.152	0.305	0.006	0.012
E	4.80	5.59	0.189	0.220
F	2.10	2.60	0.083	0.102
G	0.051	0.203	0.002	0.008
н	0.76	1.52	0.030	0.060

Ordering Information

Device	Package	Shipping	
SK26	SMB	3000pcs / reel	

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our tape and reel packaging specification.

Carrier Tape Specification SMB



	STNIDOL	Min
	SYMBOL	Milli
10000		Cautions:
		F Lie alle a

Marking Diagram

SK26

YYWWL

First row: Part Number Second row: YYWWL YY is the manufacture year, WW is the manufacture week code, L is the wafer's Lot Number

autions: Molding resin Epoxy resin UL:94V-0

SYMBOL	Millimeters		
STINDOL	Min.	Max.	
A	2.97	3.17	
В	5.70	5.90	
С	2.32	2.52	
d	1.40	1.60	
E	1.40	1.60	
F	5.60	5.70	
Р	3.90	4.10	
P0	3.90	4.10	
P1	1.90	2.10	
Т	0.25	0.35	
W	11.80	12.20	

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