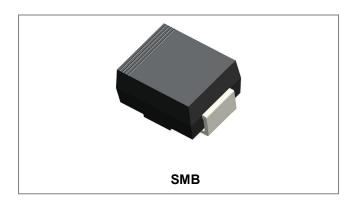






SK22 THRU SK210 SCHOTTKY RECTIFIER



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

Circuit Diagram



Mechanical Data

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

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

Characteristic	Symbol	SK22	SK23	SK24	SK25	SK26	SK28	SK29	SK210	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	20	30	40	50	60	80	90	100	V
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	56	64	71	٧
Average Rectified Output Current @T _L = 105°C	Io	2.0				Α				
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	50				Α				
Forward Voltage @ I _O = 2.0 A	V _F		0.55		0	.70		0.85		V
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 100°C	I _{RM}	0.5 20				mA				
Typical Thermal Resistance Junction to Ambient (Note 1)	R _{θJA}	75				K/W				
Operating Temperature Range	TJ	-65 to +125			°C					
Storage Temperature Range	T _{STG}	-65 to +150			°C					

Note: 1. mounted on P.C. Board with 8.0mm² copper pad areas.

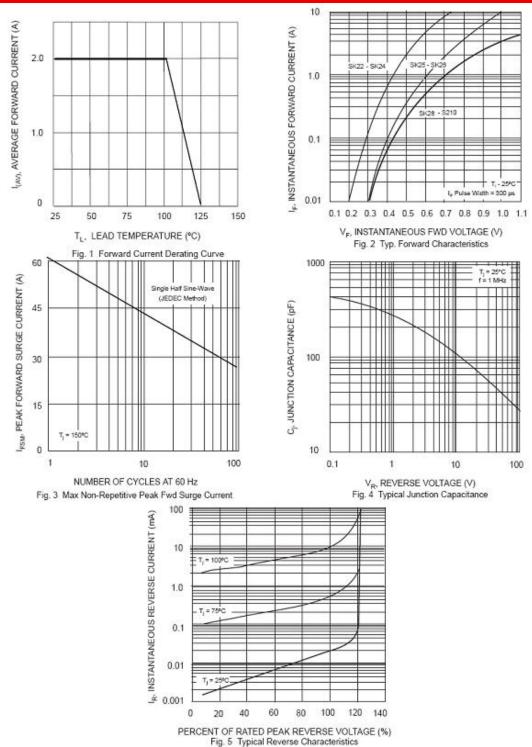
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Ratings and Characteristics Curves



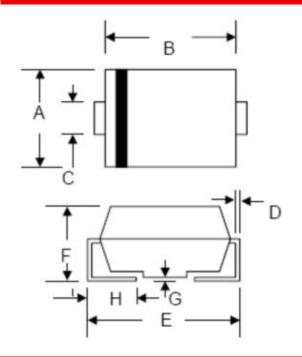
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Mechanical Dimensions SMB



CVMDOL	Millir	meters	Inches			
SYMBOL	Min.	Max.	Min.	Max.		
Α	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		
SK22				
THRU	SMB (Pb-Free)	3000pcs / reel		
SK210	,			

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

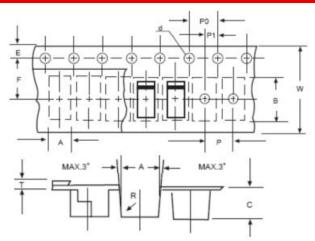
Marking Diagram



Where XXXXX is YYWWL

First row: Part Number (SK22, SK23, SK24, SK25, SK26, SK28, SK29, SK210)
Second row: YYWWL
YY is the manufacture year,
WW is the manufacture week code,
L is the wafer's Lot Number

Carrier Tape Specification SMB



SYMBOL	Millimeters				
	Min.	Max.			
Α	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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