#### March 29,2018-REV.09

Pulse Test with PW=300µsec, 1% Duty Cycle

Mounted on P.C. Board with 8mm<sup>2</sup> (0.013mm thick) copper pad areas.

Note :

1. 2.

				Cathode	Ano
Maximum Ratings (T <sub>A</sub> =25 <sup>°</sup> C unless of	otherwise noted)				
PARAMETER	SYMBOL	SK22	SK23	SK24	SK
Maximum repetitive peak reverse voltage	V <sub>RRM</sub>	20	30	40	50
Maximum rms voltage	V <sub>RMS</sub>	14	21	28	3
Maximum dc blocking voltage	V <sub>R</sub>	20	30	40	50
Maximum average forward rectified current	I-cus			2	

PARAME	TER	SYMBOL	SK22	SK23	SK24	SK25	SK26	UNIT
Maximum repetitive peak reverse voltage		V <sub>RRM</sub>	20	30	40	50	60	V
Maximum rms voltage		V <sub>RMS</sub>	14	21	28	35	42	V
Maximum dc blocking voltage		V <sub>R</sub>	20	30	40	50	60	V
Maximum average forward rec	ctified current	I <sub>F(AV)</sub>	2			А		
Peak forward surge current : 8 wave superimposed on rated		I <sub>FSM</sub>	50			А		
Maximum forward voltage at 2	A per diode (Note 1)	V <sub>F</sub>	0.5 0.7		7	V		
Maximum dc reverse current	TJ=25 °C	90					μA	
at rated dc blocking voltage	TJ=100 °C	I <sub>R</sub>	20					mA
Typical thermal resistance (No	ote 2)	$R_{ ext{ ext{ ext{ ext{ ext{ ext{ ext{ ext$	12			°C/W		
Operating junction and storage	e temperature range	TJ,TSTG	-55 to +150			°C		

SMB

**Mechanical Data** 

High surge capacity

Low power loss, High efficiency

- Case: JEDEC DO-214AA molded plastic
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026

For surface mounted applications in order to optimize board space

- Polarity: Color band denotes cathode end •
- Standard packaging: 12mm tape (EIA-481)
- Approx. Weight: 0.0032 ounces, 0.092 grams •
- Marking: Part number



# SK22~SK26

• Plastic package has Underwriters Laboratory Flammability Classification 94V-O.

Lead free in compliance with EU RoHS 2.0

• Green molding compound as per IEC 61249 standard

## PANJ SEMI

Features

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0 096(2 44)





100

-60V

TA = 25°C

0.8

1.0

0.6

10

## SK22~SK26



Fig.5 Operating Temperature Derating Curve





## SK22~SK26

### Part No Packing Code Version

Part No Packing Code	Package Type	Packing Type	Marking	Version
SK22_R1_00001	SMB	0.8K pcs / 7" reel	SK22	Halogen free
SK22_R2_00001	SMB	3K pcs / 13" reel	SK22	Halogen free

### **Mounting Pad Layout**







## SK22~SK26

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