March 29,2018-REV.09

Voltage				_ SMB	Unit: inch(r
eatures					
Plastic package h	as Underwriters L	aboratory	<u> </u>		0.156(3.94)
Flammability Clas	sification 94V-O.				
For surface mount	ted applications in	order to optimize bo	ard space		0.185(4.70) 0.160(4.06)
Low power loss, H	ligh efficiency				0 0 160(4.06)
High surge capaci	ity				
Lead free in comp	liance with EU Ro	HS 2.0			
Green molding compound as per IEC 61249 standard					0.008(2.44)
-					0.096(
Mechanical D	ata				0.060(1.52) 0.030(0.76) 0.002(0.051)
	014AA moldod n	laatia			0.220(5.59)
Case: JEDEC DO			lathad 2026		0.200(5.08)
	-	e per MIL-STD-750, N	VIELTIOO 2026		
Polarity: Color bar					
Standard packagi					
Approx. Weight: 0		92 grams			
Marking: Part num	IDEI				
					Cathode Anode

2 A

Maximum Ratings (T_A=25°C unless otherwise noted)

PARAMETER		SYMBOL	SK22	SK23	SK24	SK25	SK26	UNIT
Maximum repetitive peak reverse voltage		V _{RRM}	20	30	40	50	60	V
Maximum rms voltage		V _{RMS}	14	21	28	35	42	V
Maximum dc blocking voltage		V _R	20	30	40	50	60	V
Maximum average forward rectified current		I _{F(AV)}	2					А
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load		I _{FSM}	50					А
Maximum forward voltage at 2A per diode (Note 1)		V _F	0.5 0.7				7	V
Maximum dc reverse current	TJ=25 °C		90					μA
at rated dc blocking voltage	TJ=100 °C	I _R	20					mA
Typical thermal resistance (Note 2)		$R_{ ext{ ext{ ext{ ext{ ext{ ext{ ext{ ext$	12					°C/W
Operating junction and storage temperature range		T _J ,T _{STG}	-55 to +150					°C

Note :

1. Pulse Test with PW=300 μ sec, 1% Duty Cycle

2. Mounted on P.C. Board with 8mm² (0.013mm thick) copper pad areas.





Voltage

SK22~SK26

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

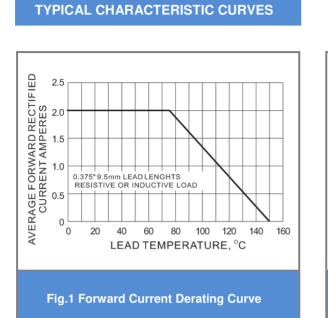
Current

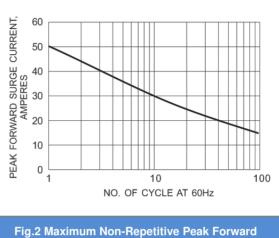
20~60 V





SK22~SK26







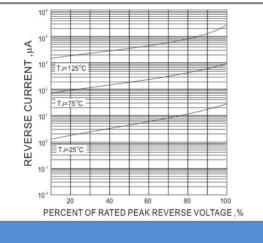
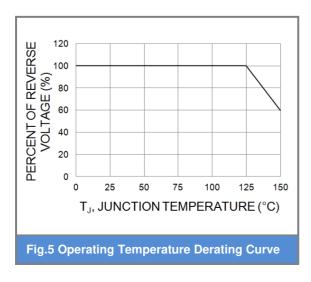
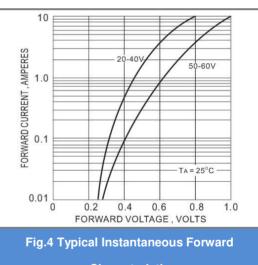


Fig.3 Typical Reverse Characteristics









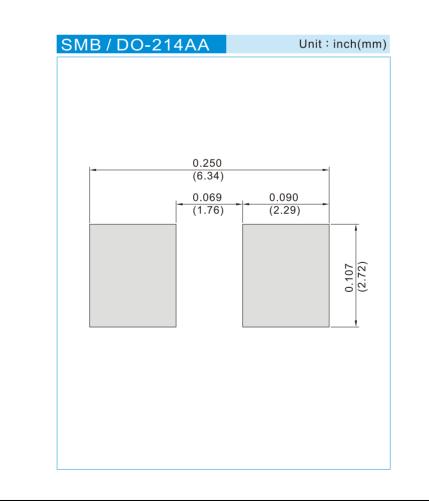


SK22~SK26

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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