

**SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER**

**SK32 - SK310**

**DO-214AB (SMC)  
Surface Mount Package**



**Polarity: Colour band denotes Cathode end**

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

(Rating at 25°C Ambient Temperature unless specified otherwise. Single Phase, half wave 60Hz, Resistive or Inductive Load, for Capacitive Load current derate by 20%)

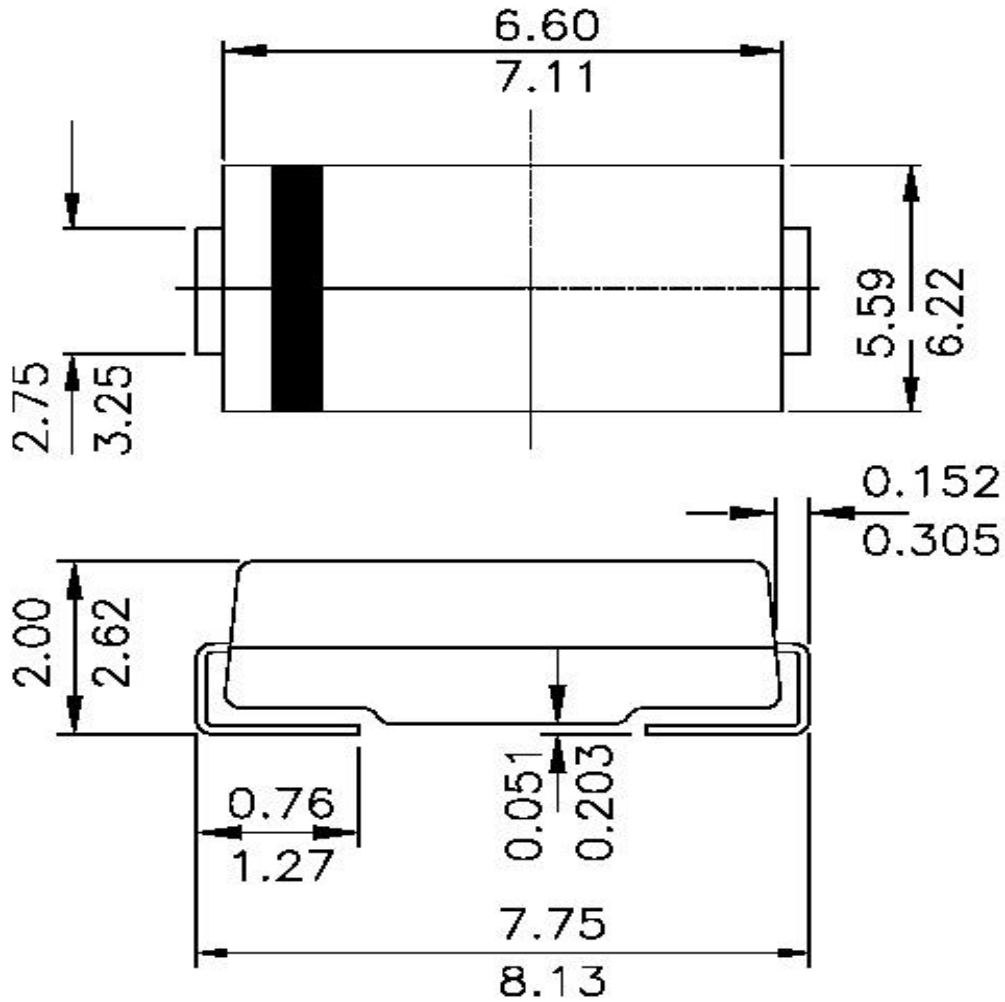
DESCRIPTION	SYMBOL	SK32	SK33	SK34	SK35	SK36	SK38	SK310	UNIT	
Maximum Peak Repetitive Reverse Voltage	$V_{RRM}$	20	30	40	50	60	80	100	V	
Maximum RMS Voltage	$V_{RMS}$	14	21	28	35	42	56	70	V	
Maximum DC Blocking Voltage	$V_{DC}$	20	30	40	50	60	80	100	V	
Maximum Average Forward Rectified Current at $T_L=75^\circ C$	$I_{(AV)}$	3.0							A	
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$	100							A	
Maximum Instantaneous Forward Voltage at $I_F=3.0A$	$V_F$	0.55		0.7		0.85		V		
Maximum DC Reverse Current $T_a=25^\circ C$ at Rated DC Blocking Voltage $T_a=100^\circ C$	$I_R$	20			0.5		10		mA	
Typical Junction Capacitance	$*C_J$	500			300			pF		
Thermal Resistance Junction to Ambient	$**R_{th(j-a)}$	TYP55							$^\circ C/W$	
Operating Junction Temperature Range	$T_j$	- 65 to +125					- 65 to +150			$^\circ C$
Storage Temperature Range	$T_{stg}$	- 65 to +150							$^\circ C$	

\*Measured at 1MHz and applied reverse voltage of 4.0V D.C

\*\* Mounted on P.C.B with "0.2 x 0.2" ( 5 x 5mm ) Copper Pad Areas

SK32\_SK310Rev\_1 300310E

PACKAGE DO-214AB (SMC)



ALL DIMENSIONS ARE IN mm  
 PACKING:— 1.8K / REEL(7" 178mm)  
 PACKING:— 7.5K / REEL(13" 330mm)

**Component Disposal Instructions**

1. CDIL Semiconductor Devices are RoHS compliant, customers are requested to please dispose as per prevailing Environmental Legislation of their Country.
2. In Europe, please dispose as per EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

**Disclaimer**

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