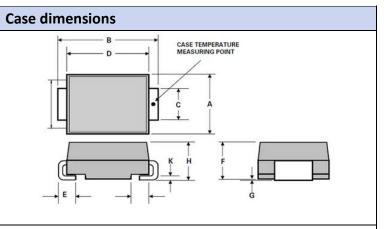


SMD Schottky Barrier Rectifier Diode

Primary characteristics						
Parameter	Value	Unit				
Maximum repetitive peak reverse voltage	20 ~ 100	V				
Maximum average forward rectified current	3.0	A				

Features

- SMB (DO-214AA) case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- High current capability and low V_{F}
- Weight: ~0.093 grams
- High reliability
- Submersible temperature of 265°C for 10 seconds in solder bath
- Terminals: solder plated, solderable per MIL-STD-750, method 2026

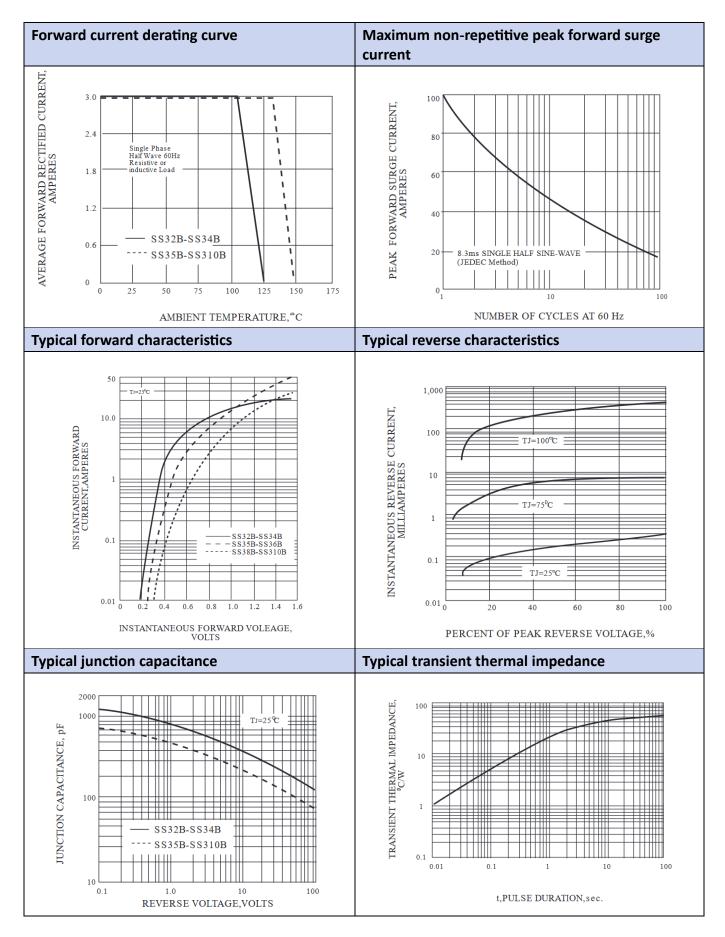


SMB (DO-214AA)

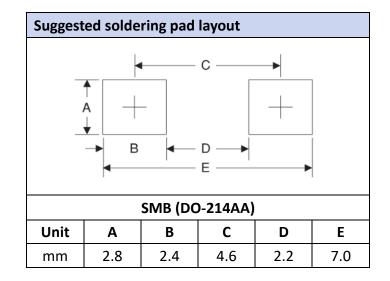
Unit	Α	В	С	D	Ε	F	G	Н	к
	3.60	5.3	2.10	4.30	1.20	2.20	0.10	2.30	0.30
mm	-0.30	-0.2	-0.15	-0.25	-0.45	-0.30	-0.05	±0.35	-0.15
	+0.35	+0.3	+0.10	+0.30	+0.40	+0.25	+0.10		+0.11

Absolute maximum ratings and general electrical characteristics (T _a = 25°C)										
Parameter		Symbol	Value							
			SS32B	SS33B	SS34B	SS35B	SS36B	SS38B	SS310B	
Maximum repetitive peak reverse voltage		V _{RRM}	20	30	40	50	60	80	100	
Maximum RMS voltage		Vrms	14	21	28	35	42	56	70	V
Maximum DC blocking	/oltage	V _{DC}	20	30	40	50	60	80	100	
Maximum average forward rectified current		IF(AV)	3.0							
Peak forward surge current 8.3ms single half sine wave superimposed on rated load (JEDEC method)		Ifsm	100						A	
Maximum instantaneous forward voltage @3.0A		VF	0.50 0.7 0.85					85	v	
Maximum DC reverse	Ta=25°C		0.5							
current at rated DC blocking voltage	T _a =100°C	I _R	20			10				mA
Typical junction capacitance @1.0MHz, V _R =4.0VDC		Cı	500				30	00		pF
Typical thermal resistance		R _{eJA}	55						°C/W	
Operating temperature range		Tر	-65 ~ 125 -65 ~ 150					°C		
Storage temperature range		T _{STG}	-65 ~ 150						°C	









Ordering information							
Part Number	Package	Shipping Quantity	Dimensions				
SS32B ~ SS310B	SMB (DO-214AA)	3 000 pcs / reel					

Disclaimer

Akyga semi reserves the right to make changes without notice to any product specification herein, to make corrections, modifications, enhancements or other changes. Akyga semi or anyone on its behalf assumes no responsibility or liability for any errors or inaccuracies. Data sheet specifications and its information contained are intended to provide a product description only. "Typical" parameters which may be included on Akyga semi data sheets and/ or specifications can and do vary in different applications and actual performance may vary over time. Akyga semi does not assume any liability arising out of the application or use of any product or circuit. Akyga semi products are not designed, intended or authorized for use in medical, life-saving implant or other applications intended for life-sustaining or other related applications where a failure or malfunction of component or circuitry may directly or indirectly cause injury or threaten a life without expressed written approval of Akyga semi. Customers using or selling Akyga semi components for use in such applications do so at their own risk and shall agree to fully indemnify Akyga semi and its subsidiaries harmless against all claims, damages and expenditures.