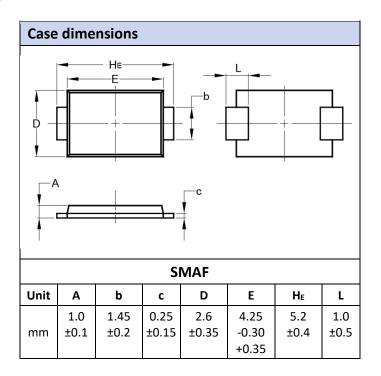


SMD Schottky Barrier Rectifier Diode

Primary characteristics					
Parameter	Value	Unit			
Maximum repetitive peak reverse voltage	20 ~ 200	V			
Maximum average forward rectified current	3.0	А			

Features

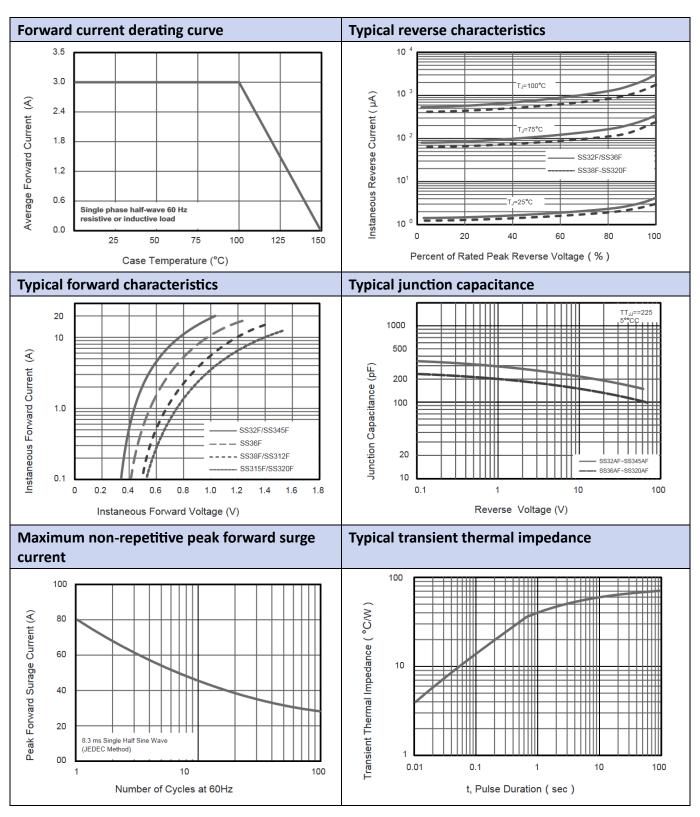
- SMAF case for easy automatic insertion.
- Pb-free and RoHS compliant
- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Low power loss, high efficiency
- Built-in strain relief
- High forward surge current capability
- High temperature soldering guaranteed:
 250°C/10 seconds at terminals
- Weight: 0.00095 ounce, 0.027 grams



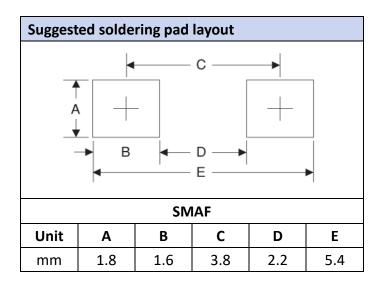
Absolute maximum ratings and general electrical characteristics (T _a = 25°C)												
Parameter		Symbol	Value									Unit
		Зуппоп	SS32F	SS33F	SS34F	SS35F	SS36F	SS38F	SS310F	SS3150F	SS3200F	Ullit
Maximum repetitive peak reverse voltage		V_{RRM}	20	30	40	50	60	80	100	150	200	
Maximum RMS voltage		V _{RMS}	14	21	28	35	42	56	70	105	140	V
Maximum DC blocking voltage		V_{DC}	20	30	40	50	60	80	100	150	200	
Maximum average forward rectified current		I _{F(AV)}	3.0									
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		l _{FSM}	80						А			
Maximum instantaneous forward voltage @3.0A		V _F	0.55		0	.7	0.85		0.95		V	
Maximum DC reverse T _a =25°C			0.5 0.3									
current at rated DC blocking voltage	T _a =100°C	IR	5.0			3.0						mA
Typical junction capacitance @1.0MHz, V _R =4.0VDC		Cı	250 180					pF				
Typical thermal resistance		R _{eJA}	70							°C/W		
		R _{eJC}	18									
Operating junction and storage temperature range		Tj, Tstg	-55 ~ 1 50						°C			



SS32F - SS3200F Series







Ordering information						
Part Number	Package	Shipping Quantity	Dimensions			
SS32F ~ SS3200F	SMAF	3 000 pcs / 7" reel				
		6 000 pcs / small box with 7" reels	210 x 208 x 203 mm			
		120 000 pcs / big box with 7" reels	400 x 265 x 400 mm / 10 kg			

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.

Akyga semi Page 3/3 2023-09; REV. 1