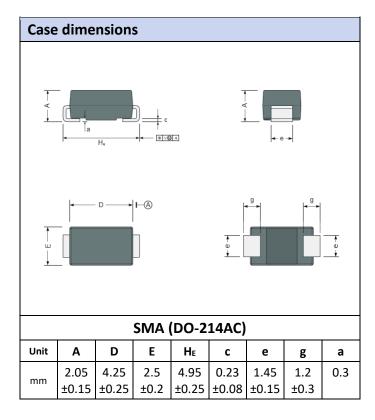


SMD General Rectifier Diode

Primary characteristics				
Parameter	Value	Unit		
Maximum Repetitive Peak Reverse Voltage	2000	V		
Maximum Average Forward Rectified Current	1.0	А		

Features

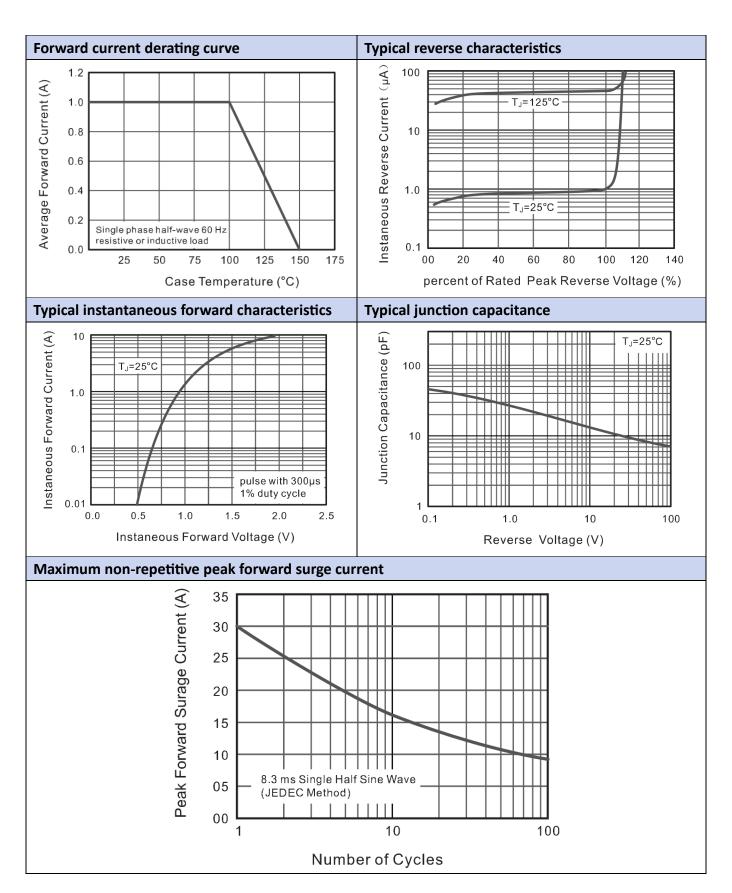
- **SMA (DO-214AC)** case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- Glass passivated chip junction
- Low profile package
- Solderable per MIL-STD-750, Method 2026
- Weight: 0.07g/0.002oz



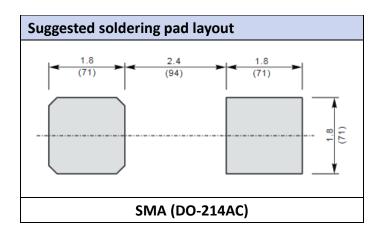
Absolute maximum ratings and general electrical characteristics (T _a = 25°C)						
Parameter		Symbol	Value	Unit		
Maximum repetitive peak reverse voltage		V _{RRM}	2000	V		
Maximum average forward rectified current @Tc=100°C		I _(AV)	1.0			
Peak forward surge current 8.3mS single half sine wave superimposed on rated load		IFSM	30	А		
Maximum instantaneous forward	voltage @1.0A	V _F	1.1	V		
Maximum DC reverse current at rated DC blocking voltage	T _a =25°C		5			
	T _a =125°C	- I _R	50	μΑ		
Typical junction capacitance 1)		Cj	20	pF		
Typical thermal resistance ²⁾		R _{eJA}	95	°C/W		
Operating junction and storage temperature range		T _j , T _{STG}	-55 ~ 150	°C		
Notes:		•				

- Measured at 1.0MHz and applied reverse voltage of 4.0V DC;
- PCB mounted with 2.0" x 2.0" (5.0 x 5.0 cm) copper pad areas









Ordering information						
Part Number	Package	Shipping Quantity	Industry standard			
H2000	SMA (DO-214AC)	2000 pcs / 7" reel	EIA-481-1			
		5000 pcs / 11" reel	EIA-481-1			

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.