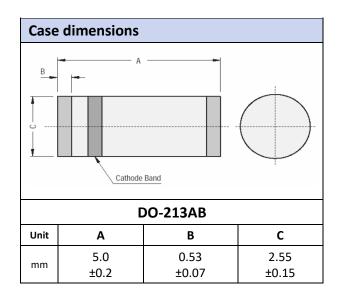


## **SMD General Purpose Rectifier Diode**

Primary characteristics					
Parameter	Value	Unit			
Maximum Repetitive Peak Reverse Voltage	50 ~ 1000	V			
Maximum Average Forward Rectified Current	1.0	А			

## **Features**

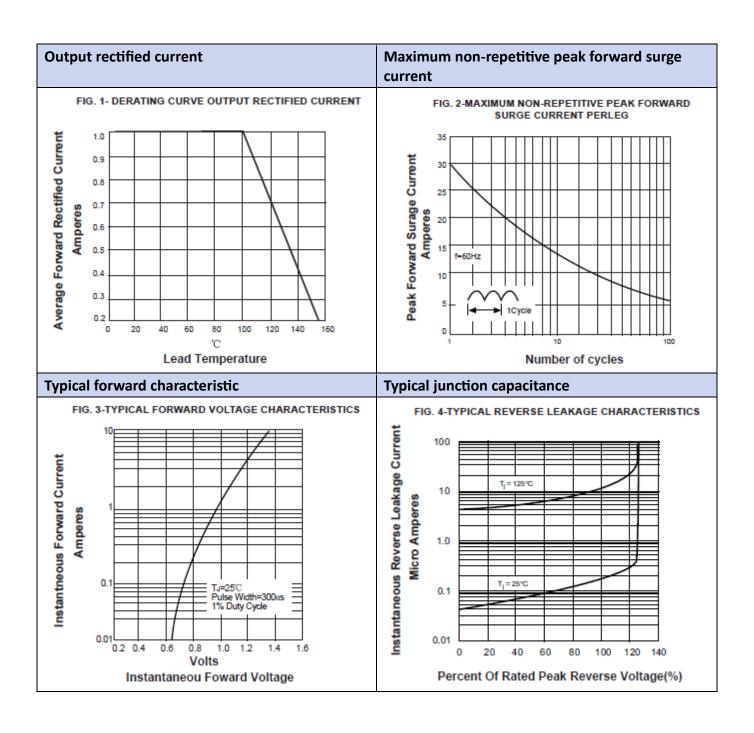
- DO-213AB case for easy automatic insertion
- Pb-free and **RoHS** compliant
- Low reverse leakage
- High temperature soldering guaranteed:
  260°C/10 seconds at terminals
- Weight: 0.1296 grams
- Solderable per MIL-STD-750 Method 2026



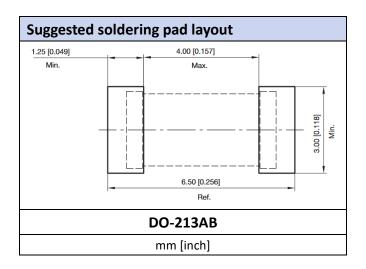
Absolute maximum ratings and general electrical characteristics (T <sub>a</sub> = 25°C)										
Parameter		Symbol	Value						l	
			SM4001	SM4002	SM4003	SM4004	SM4005	SM4006	SM4007	Unit
Maximum repetitive peak reverse voltage		V <sub>RRM</sub>	50	100	200	400	600	800	1000	.,
Maximum RMS voltage		V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC blocking voltage		V <sub>DC</sub>	50	100	200	400	600	800	1000	
Maximum average for rectified current 1)	ward	I <sub>(AV)</sub>				1.0				
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		I <sub>FSM</sub>	30						А	
Maximum instantaneous forward voltage @1.0A		VF	1.0						V	
	2.0									
	T <sub>a</sub> =125°C	I <sub>R</sub>				200				μА



Absolute maximum ratings and general electrical characteristics (T <sub>a</sub> = 25°C)				
Parameter	Symbol	Value	Unit	
Typical junction capacitance <sup>2)</sup>	Cı	15	pF	
Typical thermal resistance 3)	R <sub>eJA</sub>	75	°C/W	
Operating junction and storage temperature range	T <sub>j</sub> , T <sub>STG</sub>	-55 ~ <b>1</b> 50	°C	







Ordering information					
Part Number	Package	Shipping Quantity	Dimensions		
SM4001 ~ SM4007	DO-213AB	5 000 pcs / reel			

## Disclaimer

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