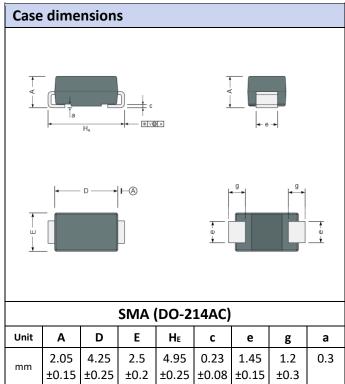


SMD Rectifier Diode

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

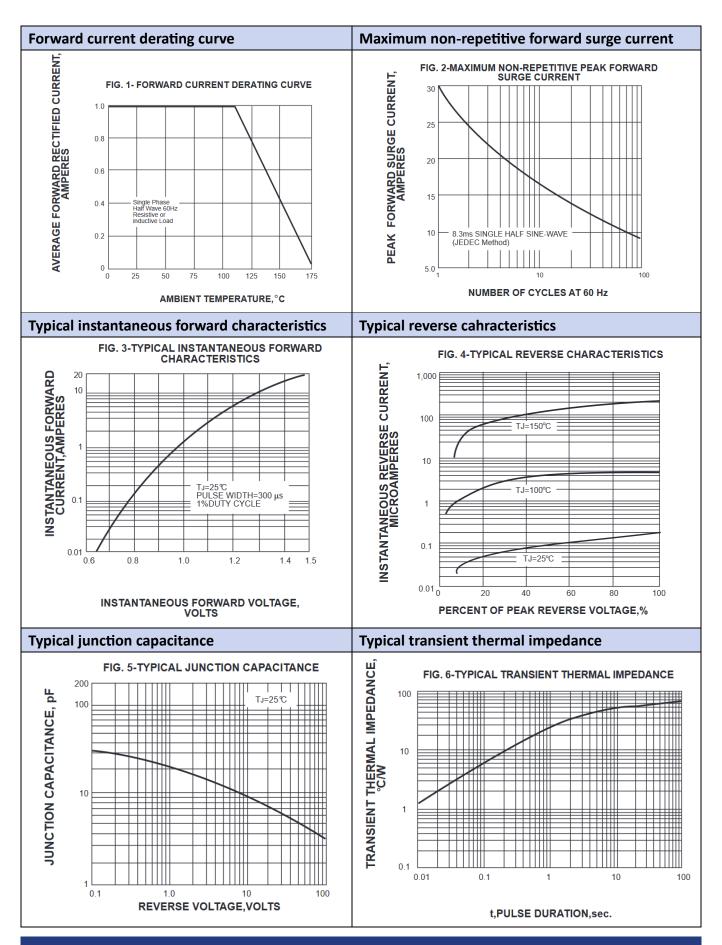
Features

- SMA (DO-214AC) case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- Plastic material used carries UL Classification 94V-0
- Low forward voltage drop
- Low power loss
- Built-in strain relief

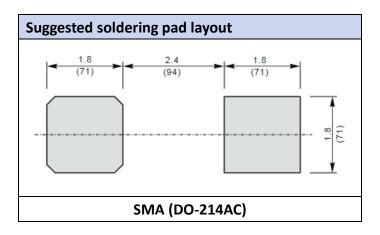


Absolute maximum ratings and general electrical characteristics (T _a = 25°C)										
Parameter		Symbol	Value						11	
			GS1A	GS1B	GS1D	GS1G	GS1J	GS1K	GS1M	Unit
Maximum repetitive peak rever	se voltage	V_{RRM}	50	100	200	400	600	800	1000	
Maximum RMS voltage		V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage		V_{DC}	50	100	200	400	600	800	1000	
Maximum average forward rect current	ified	I _{F(AV)}				1.0				
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		I _{FSM}	30					А		
Maximum instantaneous forwar @1.0A	rd voltage	V _{FM}				1.1				V
Maximum reverse current at rated DC blocking voltage	T _a =25°C	I _{RM}	5.0 200							
	T _a =125°C									μΑ
Maximum reverse recovery time I _F =0.5A, I _R =1.0A, I _{rr} =0.25A	е	T _{rr}				2.5				ųs
Typical junction capacitance V_R =4.0V, f=1.0MHz		C _j				15				pF
Typical thermal resistance Mounted on PCB with 8.0mm ² l	and area	R _{eJL}				30				°C/W
Operating junction and storage temperature range		Tj, Tstg				-65 ~ 175				°C









Ordering information			
Part Number	Package	Shipping Quantity	Dimensions
GS1A ~ GS1M	SMA (DO-214AC)	2000 pcs / reel	

Disclaimer

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