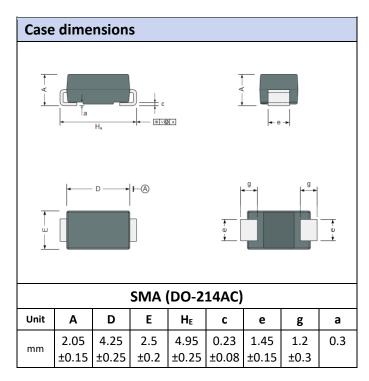


SMD Ultra Fast Recovery Rectifier Diode

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

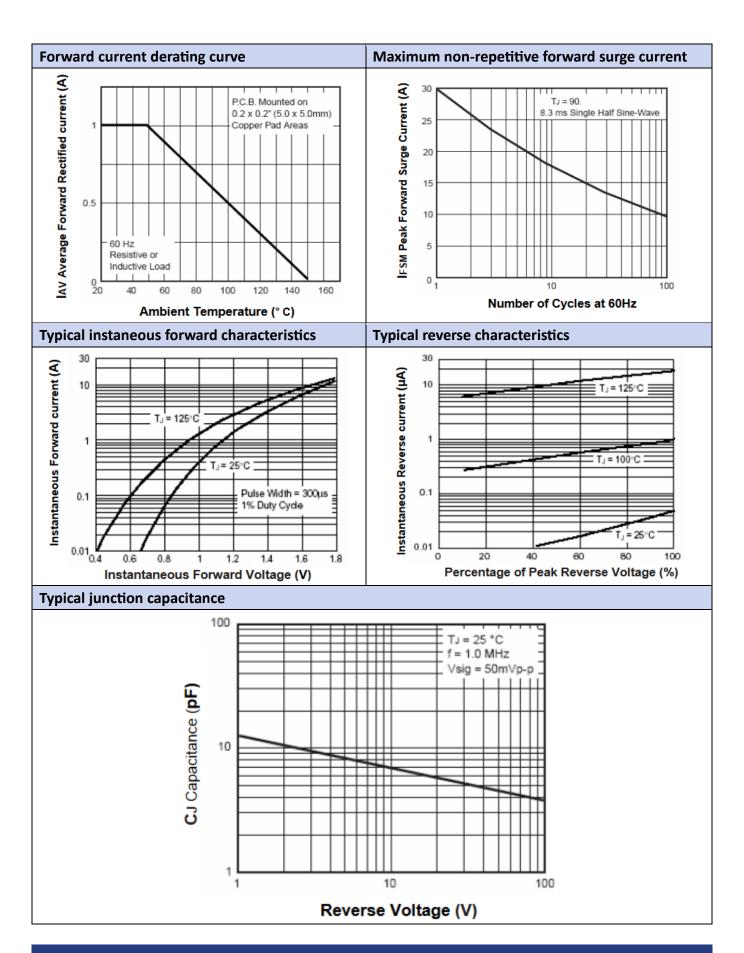
Features

- SMA (DO-214AC) case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- Glass passivated chip junction
- Fast reverse recovery time
- Solderable per MIL-STD-750, Method 2026
- Approx. weight: 0.07g / 0.002oz
- Plastic package has underwriters laboratory flammability classification 94 V-O

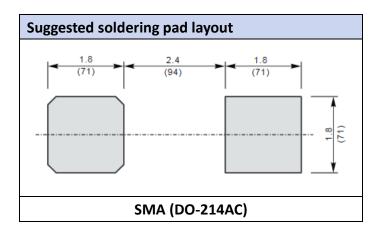


Parameter		Symbol	Value							
			RS1A	RS1B	RS1D	RS1G	RS1J	RS1K	RS1M	Unit
Maximum repetitive peak rever	se voltage	V_{RRM}	50	100	200	400	600	800	1000	
Maximum RMS voltage		V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage		V _{DC}	50	100	200	400	600	800	1000	
Maximum average forward recticurrent 0.375"(9.5mm) lead length	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					- A		
Maximum instantaneous forwar @1.0A	rd voltage	V _F				1.3				V
Maximum DC reverse current at rated DC blocking voltage	T _a =25°C	I _R	5.0							
	T _a =125°C	IR				100				μΑ
Typical junction capacitance V _R =4V, f=1MHz		C _j			10				7	pF
Maximum reverse recovery time I _F =0.5A, I _R =1.0A, I _{rr} =0.25A	9	T _{rr}		1!	50		250	50	00	ns
Maximum Thermal Resistance		R _{eJL}	32					°C/W		
		R _{eJA}	105							
Operating junction and storage temperature range		Tj, Tstg	-55 ~ 1 50			°C				









Ordering information						
Part Number	Package	Shipping Quantity	Dimensions			
RS1A ~ RS1M	SMA (DO-214AC)	2000 pcs / reel				

Disclaimer

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