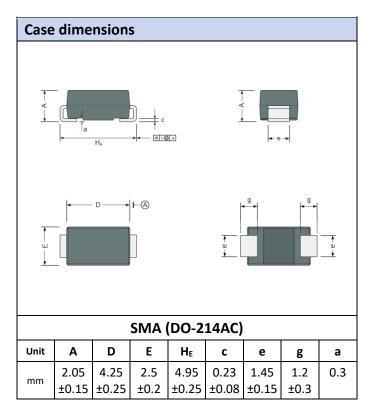


## **SMD Ultra Fast Recovery Rectifier Diode**

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

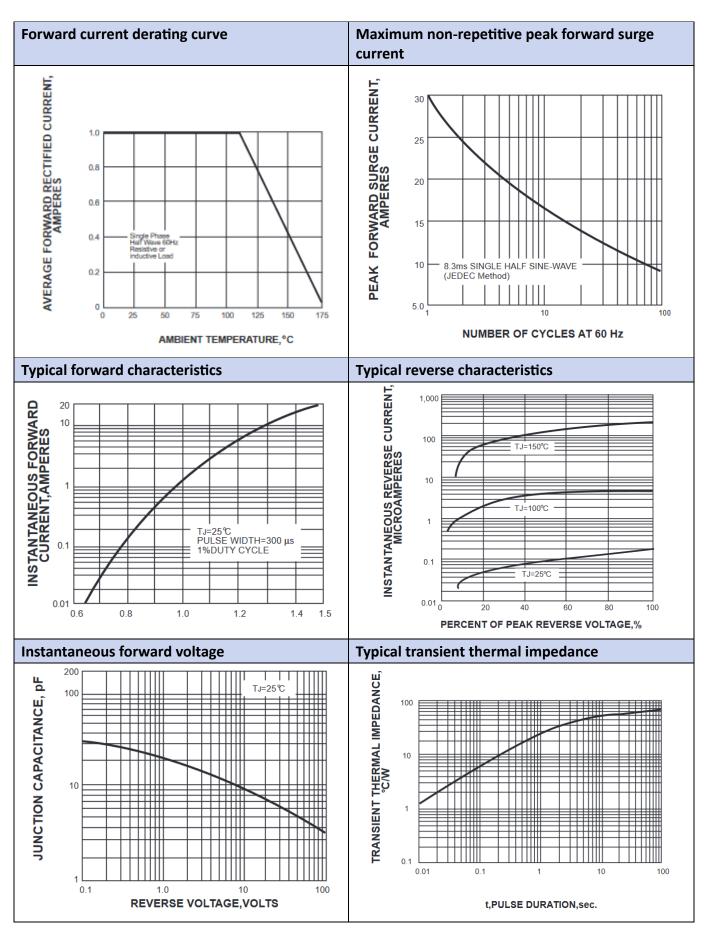
## **Features**

- SMA (DO-214AC) case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- Glass passivated chip junction
- For surface mounted application
- High temperature soldering guaranteed:
   250°C/10 seconds at terminals
- Plastic material used carries UL Classification 94V-0
- Solder plated, solderable per MIL-STD-750, Method 2026

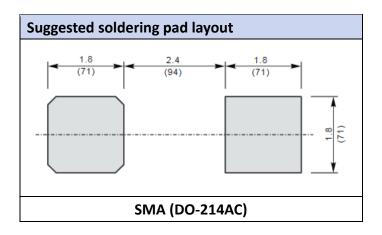


Absolute maximum ratings and general electrical characteristics (T <sub>a</sub> = 25°C)								
Curahal	Value							
Symbol	S1A	S1B	S1D	S1G	S1J	S1K	S1M	Unit
ge V <sub>RRM</sub>	50	100	200	400	600	800	1000	
$V_{RMS}$	35	70	140	280	420	560	700	٧
V <sub>DC</sub>	50	100	200	400	600	800	1000	
I <sub>F(AV)</sub>				1.0				
ed I <sub>FSM</sub>	30					A		
ge V <sub>F</sub>				1.1				٧
°C				5.0				
J°C I <sub>R</sub>	50							μΑ
CJ				15				pF
R <sub>eJA</sub>				75				°C/W
T <sub>j</sub> , T <sub>STG</sub>	-65 ~ 175				°C			
6	Symbol	Symbol           ge         V <sub>RRM</sub> 50           V <sub>RMS</sub> 35           V <sub>DC</sub> 50           I <sub>F(AV)</sub> 50           Ged         I <sub>FSM</sub> Ged         V <sub>F</sub> G°C         I <sub>R</sub> O°C         C <sub>J</sub> R <sub>eJA</sub> R <sub>eJA</sub>	Symbol           ge         V <sub>RRM</sub> 50         100           V <sub>RMS</sub> 35         70           V <sub>DC</sub> 50         100           I <sub>F(AV)</sub> 50         100           Ged         I <sub>FSM</sub> 100         100           Ged         I <sub>FSM</sub> 100         100           Ged         I <sub>FSM</sub> 100         100           Ged         I <sub>FSM</sub>	Symbol           ge         V <sub>RRM</sub> 50         100         200           V <sub>RMS</sub> 35         70         140           V <sub>DC</sub> 50         100         200           I <sub>F(AV)</sub> Sed         I <sub>FSM</sub> Ge         V <sub>F</sub> 0°C         I <sub>R</sub> G°C         C <sub>J</sub> R <sub>GJA</sub>	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Symbol         Value           Symbol         S1A         S1B         S1D         S1G         S1J           ge         V <sub>RMS</sub> 50         100         200         400         600           V <sub>RMS</sub> 35         70         140         280         420           V <sub>DC</sub> 50         100         200         400         600           I <sub>F(AV)</sub> 1.0         30 <td< td=""><td>  Symbol   S1A   S1B   S1D   S1G   S1J   S1K    </td><td>  Symbol   S1A   S1B   S1D   S1G   S1J   S1K   S1M    </td></td<>	Symbol   S1A   S1B   S1D   S1G   S1J   S1K	Symbol   S1A   S1B   S1D   S1G   S1J   S1K   S1M









Ordering information			
Part Number	Package	Shipping Quantity	Dimensions
S1A ~ S1M	SMA (DO-214AC)	2000 pcs / reel	

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