SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

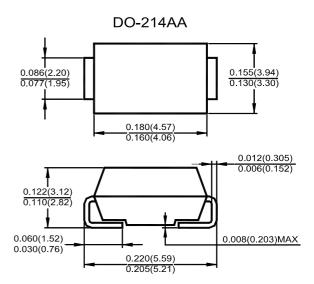
Reverse Voltage - 20 to 100 V Forward Current - 2 A

Features

- The plastic package carries UL Flammability Classification 94V-0
- · Metal silicon junction, majority carrier conduction
- · Low power loss, high efficiency
- · High forward surge current capability
- · Built-in strain relief, ideal for automated placement

Mechanical Data

- Case: JEDEC DO-214AA molded plastic body
- Terminal: Leads solderable per MIL-STD-750, Method 2026
- · Polarity: Color band denotes cathode end
- Mounting Position: Any



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20%.

Parameter		Symbols	SS22	SS23	SS24	SS25	SS26	SS28	SS210	Unit
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	20	30	40	50	60	80	100	٧
Maximum RMS Voltage		V_{RMS}	14	21	28	35	42	56	70	V
Maximum DC Blocking Voltage		V_{DC}	20	30	40	50	60	80	100	V
Maximum Average Forward Rectified Current		I _(AV)	2							Α
Peak Forward Surge Current 8.3 ms Half Sine-wave Superimposed on Rated Load (JEDEC method)		I _{FSM}	50						А	
Maximum Instantaneous Forward Voltage at 2 A		V_{F}	0.55 0.7		0.	85	V			
Maximum DC Reverse Current at Rated $T_A = 25$	C	I _R	0.5						- mA	
DC Blocking Voltage $T_A = 10$	°C	'R	20			10				
Typical Junction Capacitance 1)		CJ	220 180				pF			
Typical Thermal Resistance 2)		$R_{\theta JA}$	75					°C/W		
Operating Junction Temperature Range		T _J	-65 to +125 -65 to +150					°C		
Storage Temperature Range		Ts	-65 to +150						°C	

¹⁾ Measured at 1 MHz and applied reverse voltage of 4 VDC.

²⁾ P.C.B mounted with 0.2 X 0.2"(5 X 5 mm) copper pad areas.



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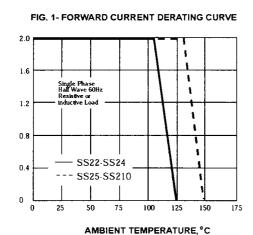
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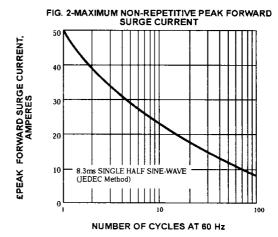


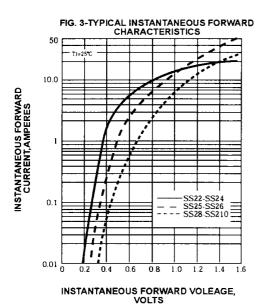


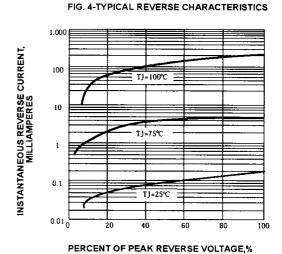


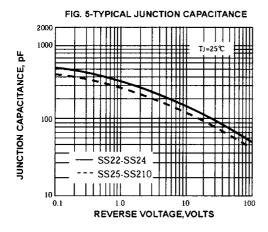
AVERAGE FORWARD RECTIFIED CURRENT, AMPERES

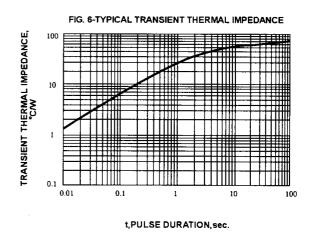












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