

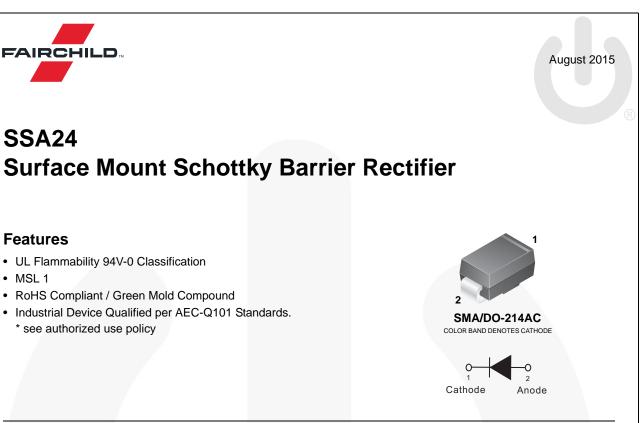
Is Now Part of



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Ordering Information

Part Number	Top Mark	Package	Packing Method
SSA24	SSA24	DO-214AC (SMA)	Tape and Reel

Absolute Maximum Ratings

Stresses exceeding the absolute maximum ratings may damage the device. The device may not function or be operable above the recommended operating conditions and stressing the parts to these levels is not recommended. In addition, extended exposure to stresses above the recommended operating conditions may affect device reliability. The absolute maximum ratings are stress ratings only. Values are at $T_A = 25^{\circ}$ C unless otherwise noted.

Symbol	Parameter	Value	Unit	
V _{RRM}	Recurrent Peak Reverse Voltage	40	V	
V _{RMS}	RMS Voltage	28	V	
V _{DC}	DC Blocking Voltage	40	V	
I _{F(AV)}	Average Forward Current at T _L = 75°C	2	A	
I _{FSM}	Peak Forward Surge Current: 8.3 ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	50	А	
TJ	Operating Junction Temperature Range	-55 to +150	°C	
T _{STG}	Storage Temperature Range	-55 to +150	°C	

Thermal Characteristics

Values are at $T_A = 25^{\circ}C$ unless otherwise noted.

Symbol	Parameter	Value	Unit
ΨJL	Typical Thermal Characteristics, Junction-to-Lead ⁽¹⁾	20	°C/W
$R_{ extsf{ heta}JA}$	Typical Thermal Resistance, Junction-to-Ambient ⁽¹⁾	75	°C/W

Note:

1. Mounted on P.C.Board with 8mm² (0.013 mm thick) copper pad areas.

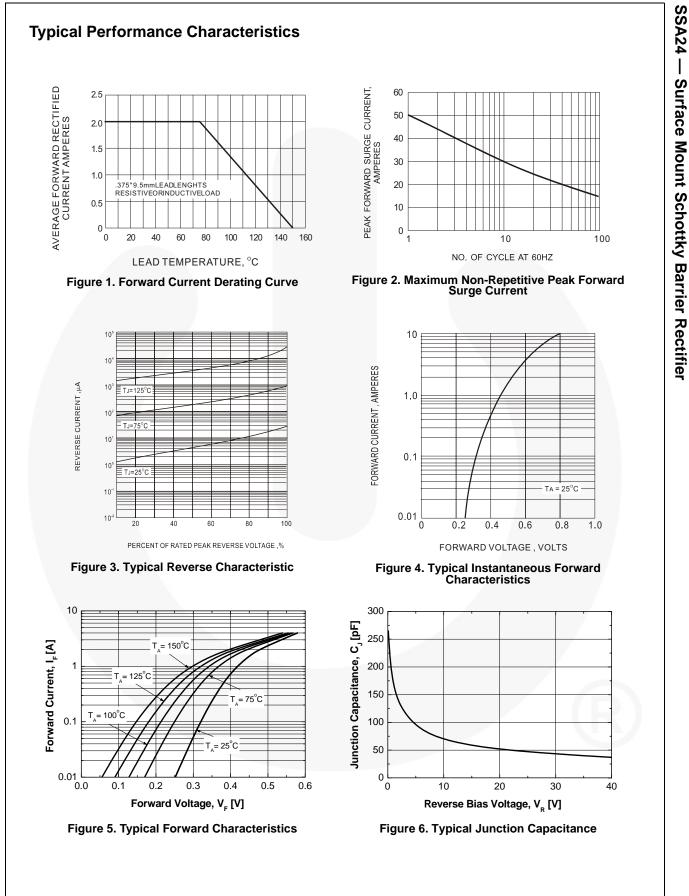
Electrical Characteristics

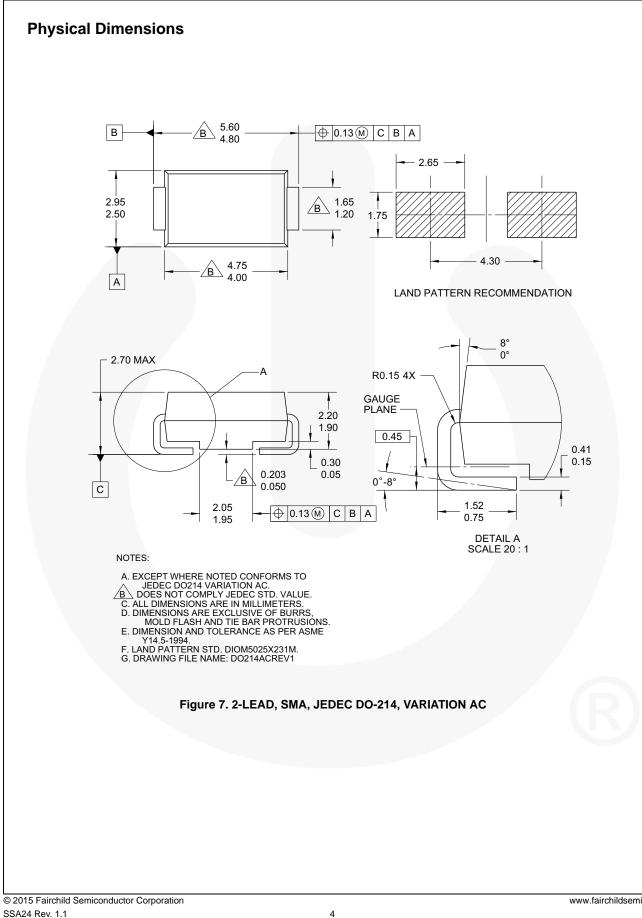
Values are at $T_A = 25^{\circ}C$ unless otherwise noted.

Symbol	Parameter	Conditions	Min.	Тур.	Max.	Unit
V _F	Forward Voltage ⁽²⁾	I _F = 2.0 A			0.5	V
I _R	DC Reverse Current	V _R = 40 V			0.2	mA
		V _R = 40 V, T _A = 100°C			20	
T _{rr}	Reverse Recovery Time	$I_{\rm F} = 0.5$ A, $I_{\rm R} = 1$ A, $I_{\rm rr} = 0.25$ A		9.84		ns

Note:

2. Pulse test with Pulse width = $300 \ \mu s$, 1% duty cycle.





SSA24 —

Surface Mount Schottky Barrier Rectifier

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