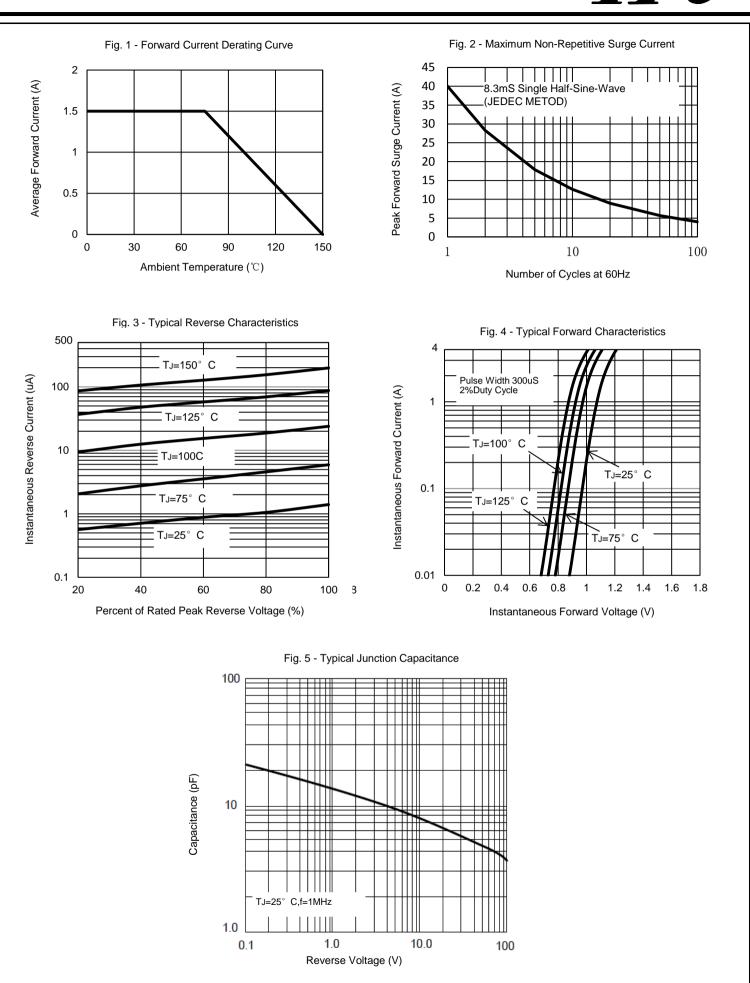


S15A thru S15M

Surface Mount Glass Passivated Rectif			Fo	rward	Curre	nt - 1.	5 Amr	ara					
Features						Forward Current - 1.5 Ampere							
		SMA							Pb				
Low cost													
 Ultra fast switching for high efficiency 								T	RoHS				
Low reverse leakage current		005		- [h		COMPLIAN				
Low forward voltage drop		.065 049	(1.65) (1.25)		+			(2.90)					
 High current capability 		.010	(1.20)				.093	(2.35)					
The plastic material carries UL recognition 94V-0					101 (1	60)	<u> </u>	<u>*</u>					
Mechanical Data					.181 (4. .157 (4.		-						
Case: JEDEC SMA Molded plastic					I								
Polarity: Color band denotes cathode			4	_									
Mounting position: Any			3 (2.62				-6						
AEC-Q101 qualified		.07	9 (2.00))		1							
Applications		.06	0 (1.52		<i>-</i>	$+ \square$		(.203)					
••	ority		0 (0.76		.208 (5.)	28)		(.051)					
• For use in SMPS, high frequency inverters, PWM and polarity			,		.188 (4.	80)							
protection applications													
			Package	e Outline	Dimens	ions in Ir	nches (M	illimeters)				
Maximum Ratings and Electrical Character	istics						, ,		,				
Rating at 25°C ambient temperature unless otherwise specifie													
Single phase, half wave, 60Hz, resistive or inductive load.	54.												
For capacitive load, derate current by 20%.													
Characteristics	Symbol	S15A	S15B	S15D	S15G	S15J	S15K	S15M	Unit				
Maximum Repetitive Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V				
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V				
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V				
Maximum Average Forward Rectified Current $@T_A=75^\circ\mathbb{C}$	l(AV)				1.5				А				
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave,	IFSM	40							А				
Superimposed on Rated Load (JEDEC Method)	II SW				40				Л				
Peak Forward Voltage at 1.5 A DC	VF	1.1							V				
Maximum DC Reverse Current at Rated @Tj=25 $^\circ C$	IR	5						цΔ					
DC Blocking Voltage @TJ=125°C		125						μA					
Typical Junction Capacitance (Note1)	CJ	10							pF				
Operating Junction Temperature Range	TJ	-55 to +150							°C				
		-55 to +150						°C					
Storage Temperature Range	Tstg												

RATING AND CHARACTERISTIC CURVES S15A thru S15M



The curve graph is for reference only, can't be the basis for judgment

S15*-13-00-A001 Rev. 10, 1-Nov-2019



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