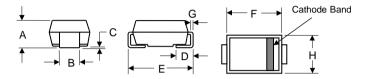


S5A THRU S5M 5A, 50V - 1000V Surface Mount Rectifiers

Features

- * Glass passivated chip junction
- * Ideal for automated placement
- * Low forward voltage drop
- * High current capability
- * High surge current capability







	5.0	2 24 4 4 5 / 6 4	10)					
DO-214AB (SMC)								
DIM	INC	CHES	MM					
	MIN	MAX	MIN	MAX				
Α	0.081	0.103	2.06	2.62				
В	0.114	0.126	2.90	3.20				
С		0.008		0.20				
D	0.030	0.060	0.76	1.52				
Е	0.305	0.320	7.75	8.13				
F	0.260	0.280	6.60	7.11				
G	0.006	0.012	0.152	0.305				
Н	0.220	0.245	5.59	6.22				

Mechanical Data

- * Case: DO-214AB (SMC)
- * Molding compound, UL flammability classification rating 94V-0
- * Moisture sensitivity level: level 1, per J-STD-020
- * Terminal: Matte tin plated leads, solderable per JESD22-B102 Meet JESD 201 class 2 whisker test
- * Polarity: Indicated by cathode band
- * Weight: 0.21 g (approximately)

Maximum Ratings And Electrical Characteristics (TA=25℃ unless otherwise noted)

PARAMETER	SYMBOL	S5A	S5B	S5D	S5G	S5J	S5K	S5M	UNIT
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V



S5A THRU S5M 5A, 50V - 1000V Surface Mount Rectifiers

Maximum Ratings And Electrical Characteristics (T_A=25 °C unless otherwise noted)

PARAMETER	SYMBOL	S5A	S5B	S5D	S5G	S5J	S5K	S5M	UNIT
Maximum average forward rectified current	I F(AV)	5							Α
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	Iғsм				100				А
Maximum instantaneous forward voltage (Note 1) I _F = 5 A					1.1				V
Maximum reverse current @ rated V _R T _J =25°C	5 IR						- μΑ		
T _J =125°C		250							
Typical reverse recovery time (Note 2)	trr	1.5						μs	
Typical junction capacitance (Note 3)	CJ	60						pF	
Typical thormal registeres	RөJL	13						- °C/W	
Typical thermal resistance	RөJA	47							
Operating junction temperature range T _J		- 55 to +150						°C	
Storage temperature range	Тѕтс	- 55 to +150					°C		

Note 1: Pulse test with PW=300µs, 1% duty cycle

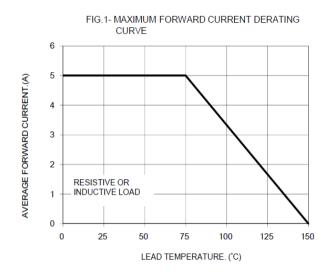
Note 2: Reverse Recovery Test Conditions: IF=0.5A, IR=1.0A, IRR=0.25A

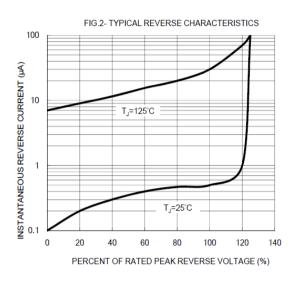
Note 3: Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.

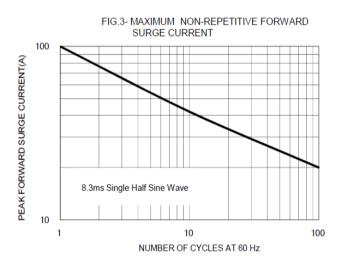


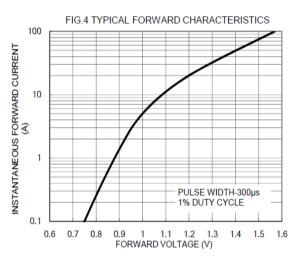
S5A THRU S5M 5A. 50V - 1000V Surface Mount Rectifiers

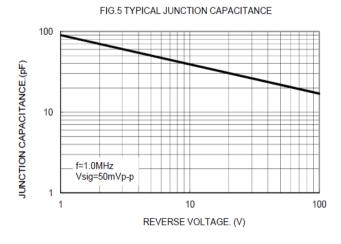
Ratings and Characteristic Curves

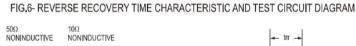


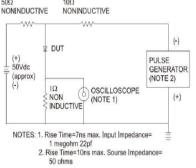


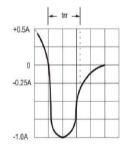














S5A THRU S5M 5A, 50V - 1000V Surface Mount Rectifiers

Ordering Information

Part No.	Package	Packing Code	Packing		
S5A - S5M	DO-214AB (SMC)	R30	3000pcs/Reel		

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