

Ideal for automated placement
 Low power losses
 High forward surge capability

For use in lighting, fast switching rectification of power suppliers, inverters, converters, and freewheeling diodes for consumer, automotive, and telecommunication.



:TO-277

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, Halogen free

: Tin plated leads, solderable per J-STD-002 and JESD22-B102

($T_a=25$ Unless otherwise specified)

Device marking code			SS5U100
Repetitive Peak Reverse Voltage	V_{RRM}	V	100
Average Rectified Output Current @60Hz -sine wave, R- load, $T_c=125$	I_o	A	5
Forward Surge Current (Non-repetitive) @ 60Hz Half-sine wave, 1 cycle, $T_a=25$	I_{FSM}	A	120
Current Squared Time @1ms t 8.3ms $T_j=25$	I^2t	A^2s	59
Storage Temperature	T_{stg}		-55 ~+150
Junction Temperature	T_j		-55 ~+150

†

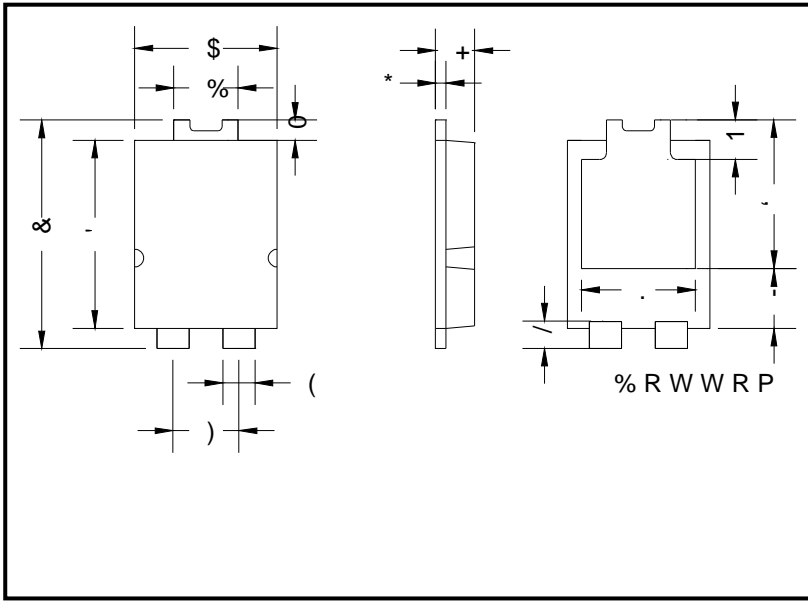
Note1 Pulse test:0ulse w



T_a=25 Unless otherwise specified

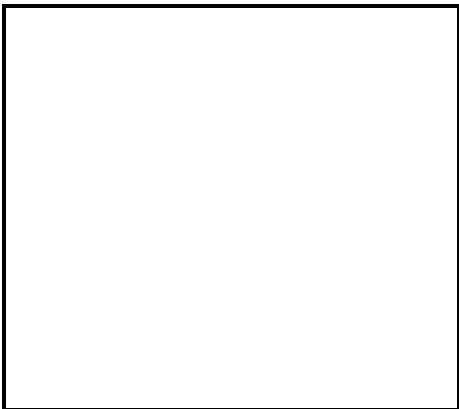
--	--	--

v 2XWOLQH 'LPHQVLRQV



72		
'LP	0LQPP	ØPD
\$		
%		
&		
'		
(
)	UHI	
*		
+		
,		
-		
.		
/		
0	UHI	
1	UHI	

v 6XJJHVWHG SDG OD\RXW



' , 0	0 , 1 PP
\$	
%	
&	
3	
4	
4	

