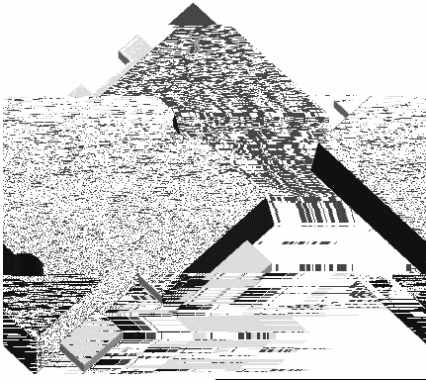


Schottky Rectifier



Features

- Ideal for automated placement
- Low power losses
- High forward surge capability

Typical Applications

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

Mechanical Data

Package: TO-277

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

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



Maximum Ratings (T_a=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	SS5U100
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 ² t	A ² s	59
Storage Temperature	T _{stg}		-55 ~+150
Junction Temperature	T _j		-55 ~+150

Electrical Characteristics T

--	--	--

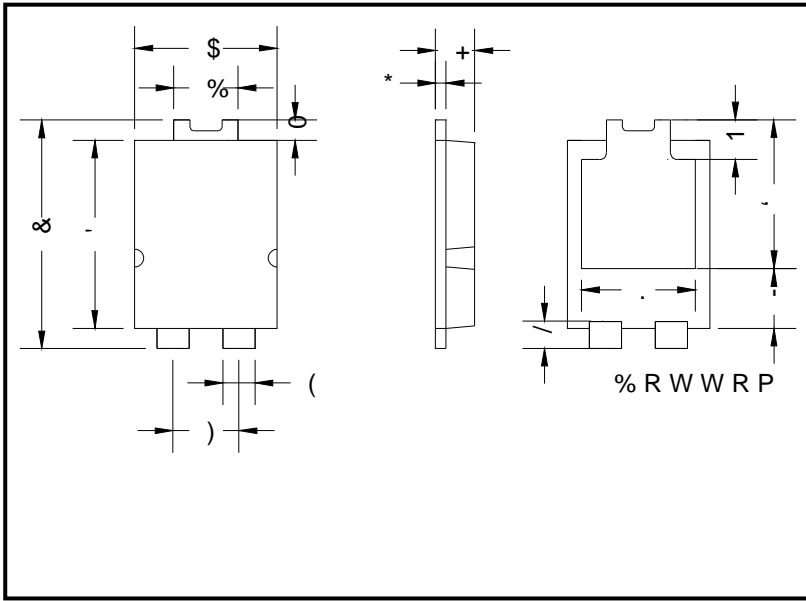


SS5U100

Thermal Characteristics $T_a=25$ Unless otherwise specified

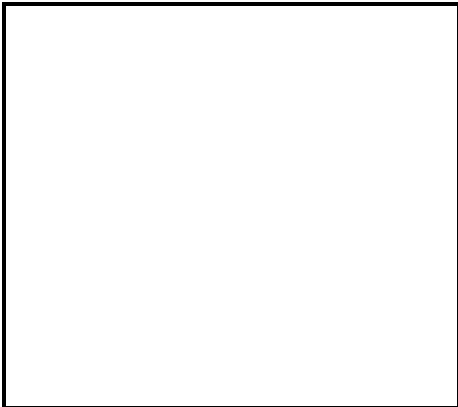
PARAMETER	SYMBOL	UNIT
-----------	--------	------

v 2XWOLQH 'LPHQVLRQV



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

v 6XJJHVWHG SDG OD\RXW



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

