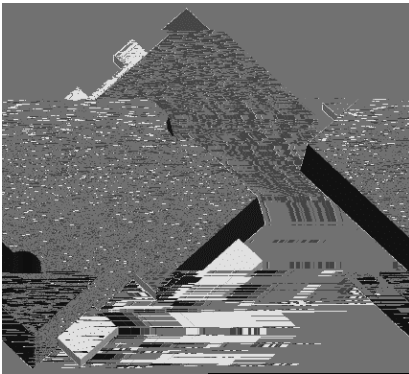


Schottky Rectifier



Features

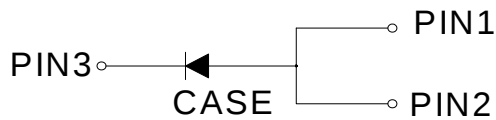
- Ideal for automated placement
- Low power losses
- High forward surge capability
- Meets MSL level1, per J-STD-020, LF maximum peak of 260 °C

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:



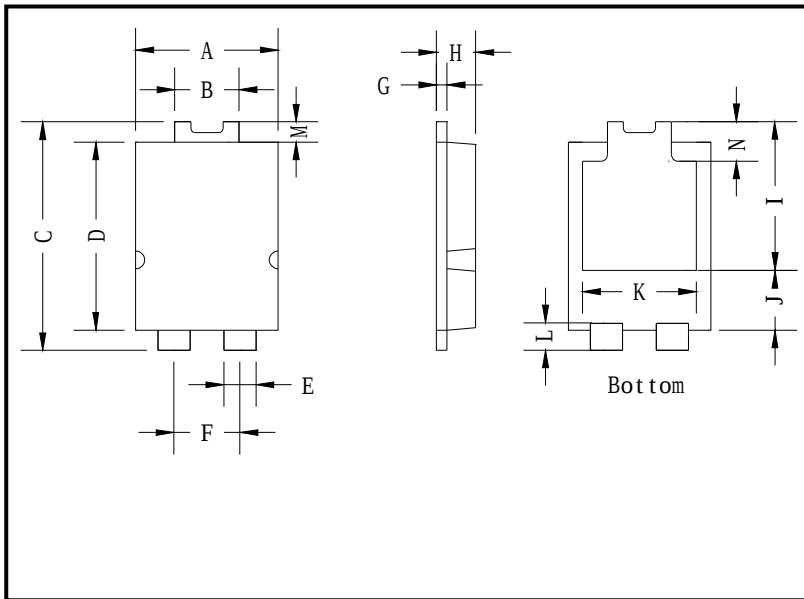
			SS10U200P
Device marking code			SS10U200P
Repetitive Peak Reverse Voltage	V_{RRM}	V	200
Average Rectified Output Current @60Hz -sine wave, R- load, T_c FIG.1	I_O	A	10
Forward Surge Current (Non-repetitive) @ 60Hz Half-sine wave, 1 cycle, $T_a=25$	I_{FSM}	A	200
Current Squared Time @ $1ms \leq t \leq 8.3ms$ $T_j=25$	I^2t	A^2s	166
Typical Junction capacitance @4V, 1MHz	C_j	pF	164
Storage Temperature	T_{stg}		-55 ~+150
Junction Temperature	T_j		-55 ~+150

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
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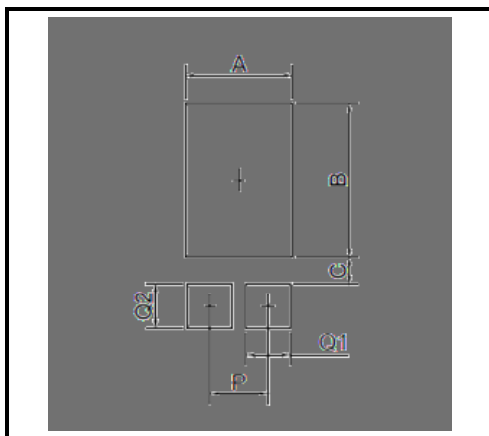
Peak Forward Voltage V

■ Outline Dimensions



TO-277		
Dim	Min(mm)	Max(mm)
A	3.90	4.10
B	1.70	1.90
C	6.40	6.60
D	5.30	5.50
E	0.80	1.00
F	1.85 ref.	
G	0.35	0.45
H	1.10	1.20
I	4.10	4.50
J	1.50	1.90
K	2.90	3.40
L	0.55	0.75
M	0.50 ref.	
N	1.15 ref.	

■ Suggested pad layout



DIM	MIN.(mm)
A	3.36
B	4.86
C	0.85
P	1.84
Q1	1.40
Q2	1.40



Disclaimer

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