

TECHNICAL DATA
DATASHEET 6235, Preliminary

SILICON SCHOTTKY RECTIFIER DIE

Applications:

- Switching Power Supply • Converters • Free-Wheeling Diodes • Polarity Protection Diode

Features:

- Low Forward Voltage Drop
- Low Reverse Leakage Current
- Low Power Loss, High Efficiency

Maximum Ratings:

Characteristics	Symbol	Condition	Max.	Units
Peak Inverse Voltage	V_{RWM}	-	200	V
Max. Average Forward Current	$I_{F(AV)}$	50% duty cycle, rectangular wave form	15	A
Max. Junction Temperature	T_J	-	-65 to +175	°C
Max. Storage Temperature	T_{stg}	-	-65 to +175	°C

Electrical Characteristics:

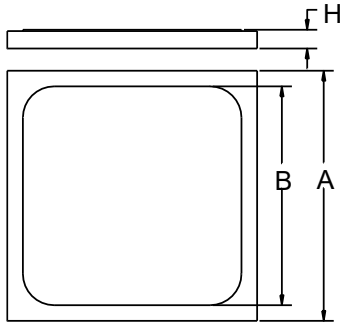
Characteristics	Symbol	Condition	Max.	Units
Max. Forward Voltage Drop	V_{F1}	@ 15A, Pulse, $T_J = 25\text{ °C}$	0.90	V
Max. Reverse Current	I_{R1}	@ $V_R = 200V$, Pulse, $T_A = 25\text{ °C}$	0.6	uA

SENSITRON

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Mechanical Dimensions: In Inches



Top side (Anode) metallization: TiW/TiNi/Ag-
0.15-0.2-2 um

Bottom side (Cathode) metallization: TiNi/Ag
0.2-0.8 um

A	B	H
0.125±0.003	0.121±0.002	0.012±0.002

Part Ordering Information:

SD125SH200Bx

Part Number

Quality

Suffix	Part Number	Description
H	SD125SH200BH	Class H Level
K	SD125SH200BK	Class K Level

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