

Surface Mount Schottky Barrier Rectifier

Switching Type Power Supply Applications

SWM01U30**Features**

- For Use in Low Voltage, High Frequency inverters, Free Wheeling, and Polarity Protection Applications

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Application

- Switching Power Supply
- Reversed Battery Connection Protection
- DC/DC Converter
- Cellular Phones

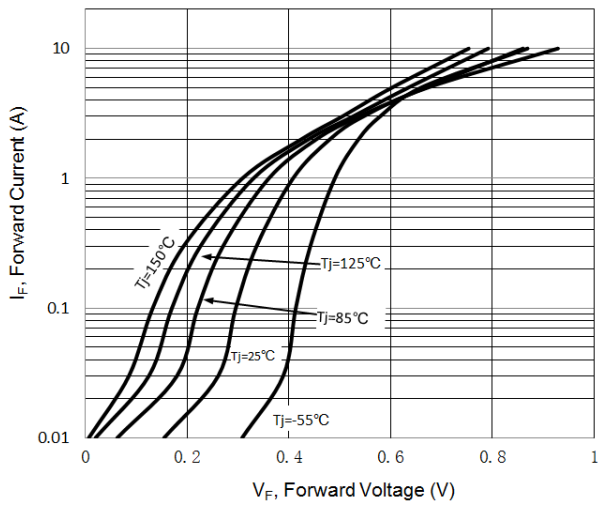
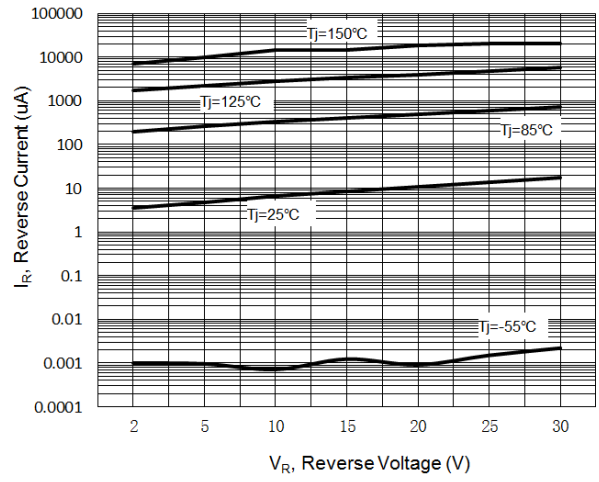
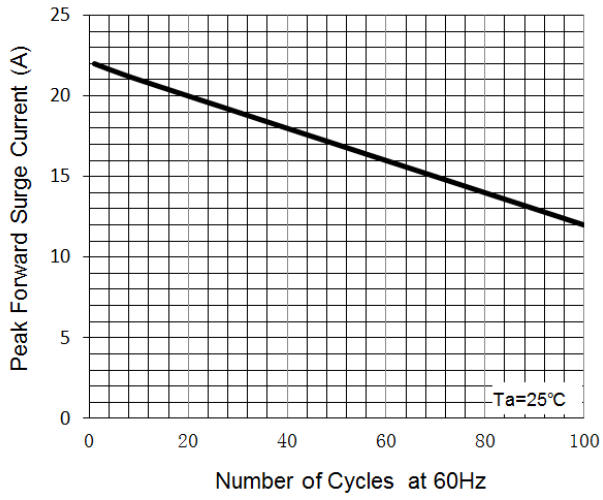
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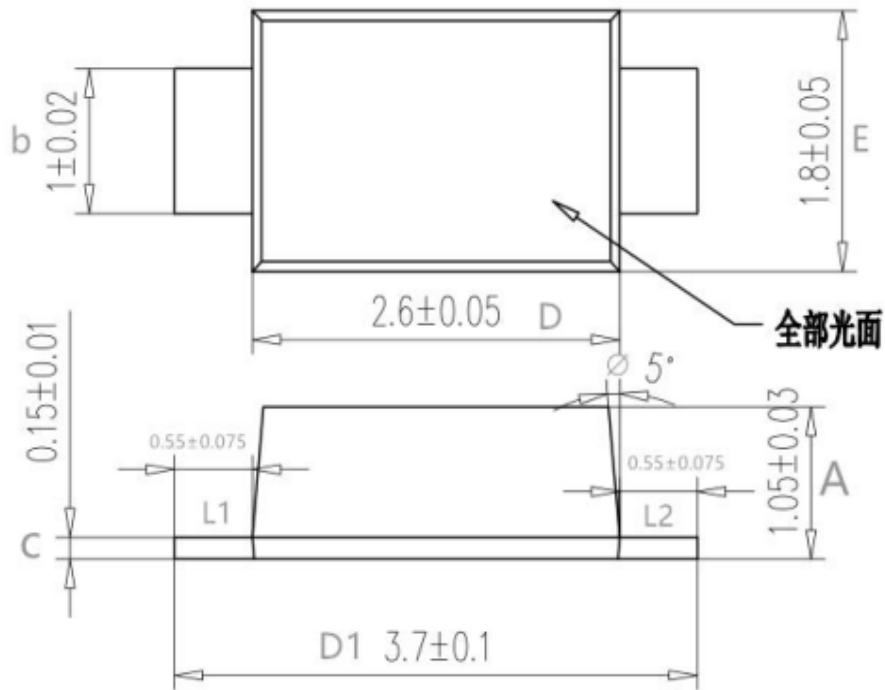
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	30	V
Average Rectified Output Current	$I_{F(AV)}$	1.0	A
Non-Repetitive Peak Forward Surge Current (8.3 ms)	I_{FSM}	22	A
Operating Temperature Range	T_j	- 55 to + 150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Max.	Unit
Peak Forward Voltage at $I_F = 1\text{ A}$	V_F	0.42	V
Repetitive Peak Reverse Current at $V_R = 30\text{ V}$	I_R	50	μA





项目	公制 (mm)	
	MIN	MAX
*A	1.02	1.08
*b	0.98	1.02
*c	0.14	0.16
*D	2.55	2.65
*D1	3.60	3.80
*E	1.75	1.85
*L1	0.475	0.625
*L2	0.475	0.625
θ	4°	6°
带*为检验尺寸		