JSMSEMI
杰盛微半导体

FEATURES

- Low leakage current applications
- Medium speed switching times
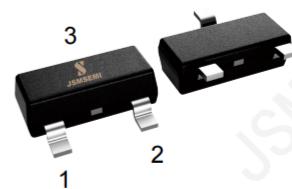
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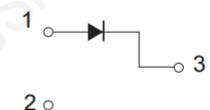
## Maximum Ratings @Ta=25℃

Parameter	Symbol	Limit	Unit
Peak Repetitive Peak Reverse Voltage	V_{RRM}	75	V
Working Peak Reverse Voltage	V_{RWM}		
DC Blocking Voltage	V_R		
Forward Continuous Current	I_{FM}	200	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I_{FSM}	2.0	A
Power Dissipation	P_D	225	mW
Operation Junction and Storage Temperature Range	T_J,T_{STG}	-55~+150	℃

Electrical Characteristics @Ta=25℃

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse breakdown voltage	$V_{(BR)}$	75			V	I_R=100μA
Forward voltage	V_{F1}			0.9	V	I_F=1mA
	V_{F2}			1	V	I_F=10mA
	V_{F3}			1.1	V	I_F=50mA
	V_{F4}			1.25	V	I_F=150mA
Reverse current	I_R			5	nA	V_R=75V
Diode capacitance	C_{tot}		2		pF	V_R=0V,f=1MHz
Reverse recovery time	t_{rr}			3	μs	I_F=I_R=10mA,I_{rr}=0.1×I_R, R_L=100Ω

Typical Characteristics

Forward Characteristics

Reverse Characteristics

Capacitance Characteristics

Power Derating Curve
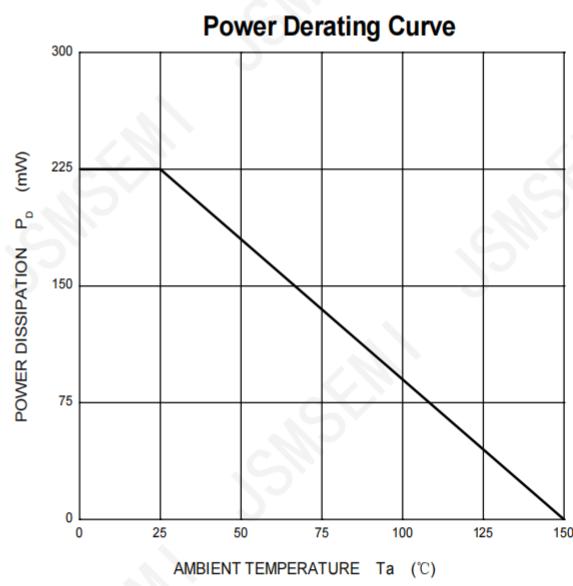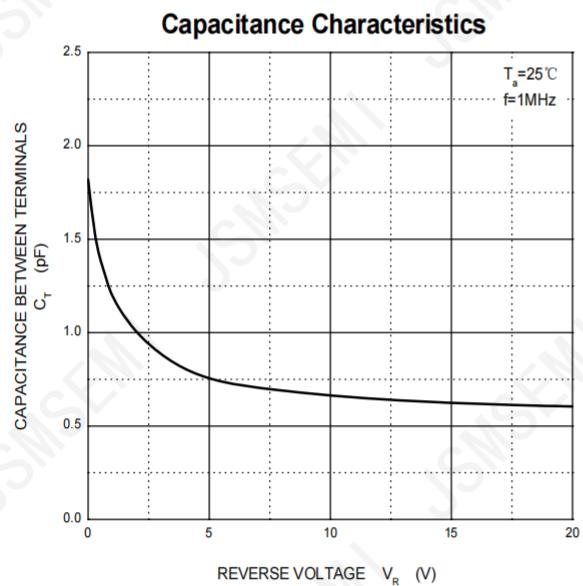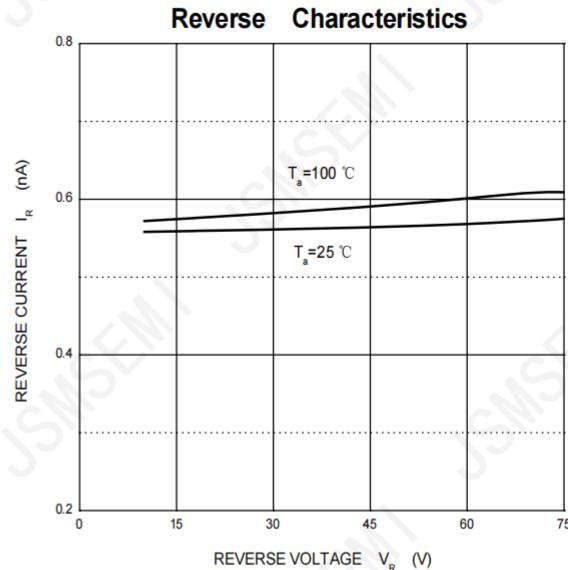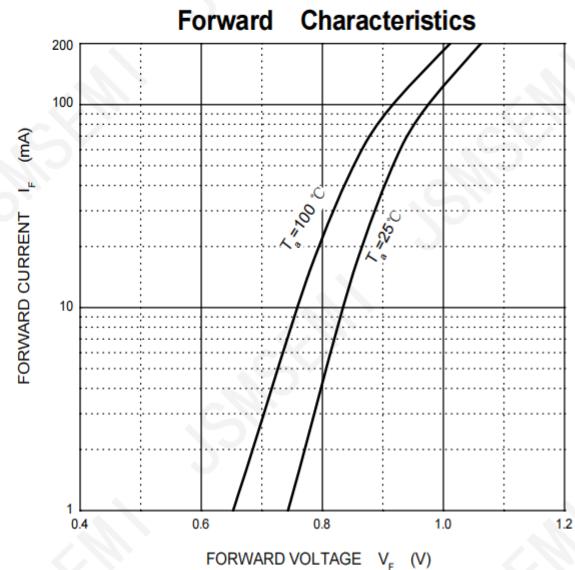
PACKAGE OUTLINE

Plastic surface mounted package; 3 leads

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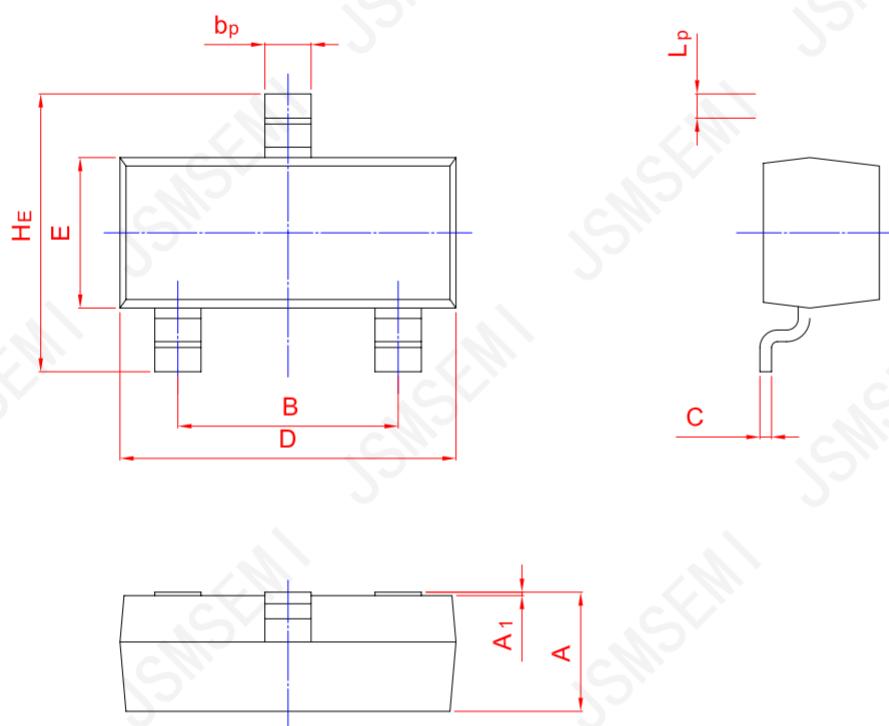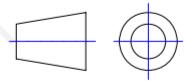
UNIT	A	B	bp	C	D	E	HE	A1	Lp
mm	1.40	2.04	0.50	0.19	3.10	1.65	3.00	0.100	0.50
	0.95	1.78	0.35	0.08	2.70	1.20	2.20	0.013	0.20

Revision History

Rev.	Change	Date
V1.0	Initial version	2/23/2024

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