

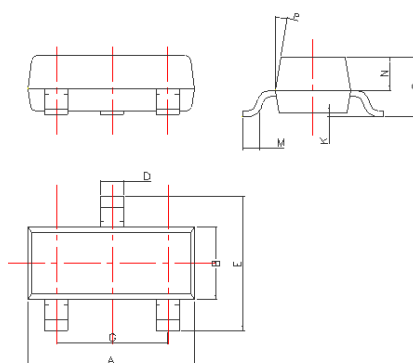
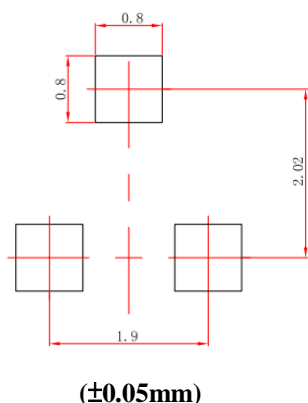
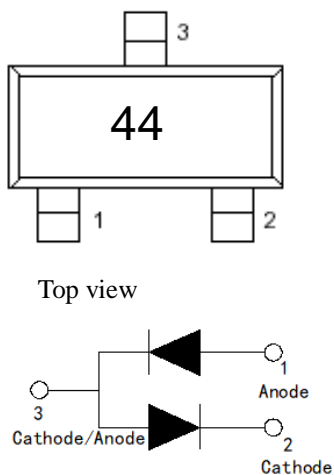
Schottky Diode

Marking: 44

Suggested Layout

SOT-23

Dimension



DIM	Millimeters
A	2.85~3.04
B	1.30±0.10
C	1.00±0.10
D	0.45±0.05
E	2.25~2.55
G	1.90±0.1
K	0.00-0.10
M	0.20 min
N	0.60±0.10
P	7±2°

MAXIMUM RATINGS (Ta=25°C)

Characteristic	Symbol	Rating	Unit
Reverse Voltage	V_R	40	Vdc
Peak Forward Current	I_F	350	mAdc
Peak Forward Surge Current	IFM(surge)	1.5	Adc

THERMAL CHARACTERISTICS

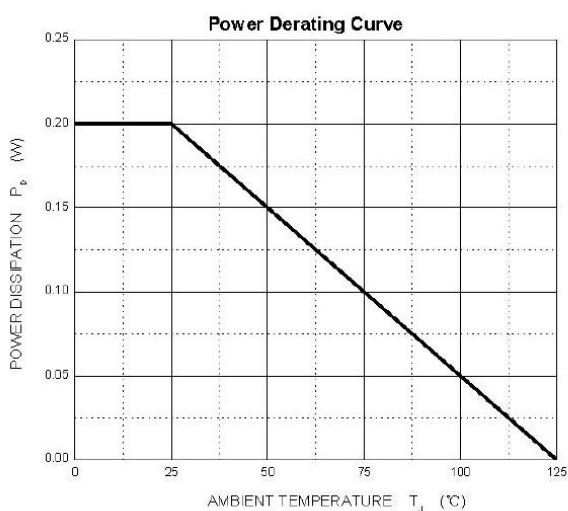
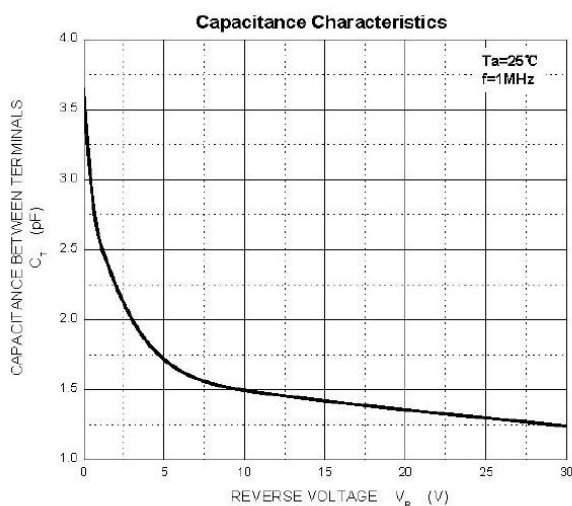
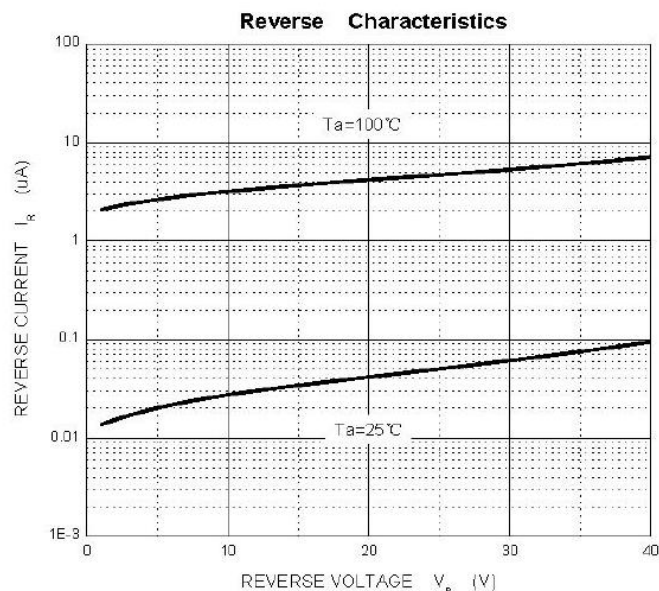
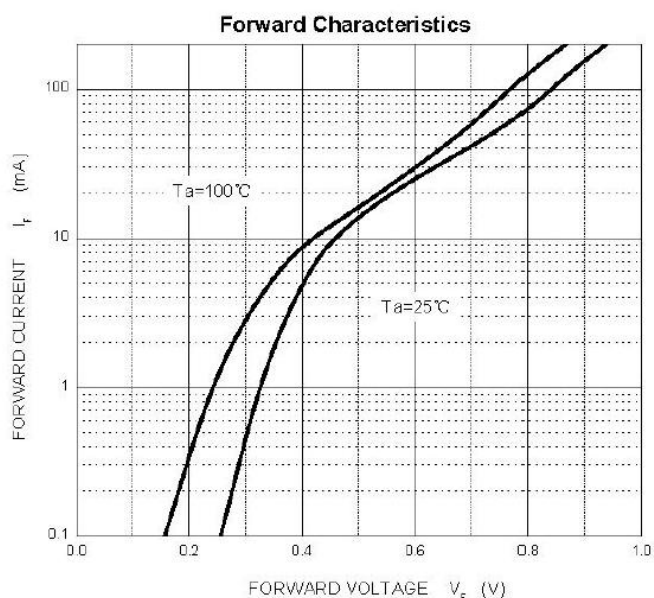
Characteristic	Symbol	Max	Unit
Total Device Dissipation FR-5 Board(1) TA=25°C	PD	225	mW
Total Device Dissipation Alumina Substrate,(2) TA=25°C	PD	300	mW
Junction and Storage Temperature	T_J , T_{stg}	150 , -55 ~50	°C

- FR-5=1.0x0.75x0.062in, printed-circuit board.
- Alumina=0.4x0.3x0.024in, 99.5%alumina

ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

Characteristic	Symbol	Test Condition	Min	Type	Max	Unit
Reverse Voltage Leakage Current	I_R	$V_R=25$ Vdc	--	--	1.0	µA
Reverse Breakdown Voltage	$V_{(BR)}$	$I_{BR}=10$ µAdc	40	--	--	Vdc
Forward Voltage	V_F	IF=20mAdc	--	--	370	mV
		IF=200mAdc	--	--	600	
Total Capacitance	C_T	$V_R=1$ V, f=1.0MHz	--	--	5.0	pF

Typical Performance Characteristics



Note: Specifications are subject to change without notice.