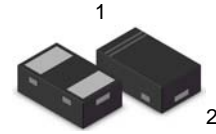
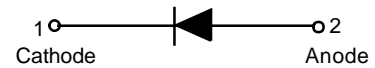


Schottky Barrier Diodes

- Extremely Fast Switching Speed
- Low Forward Voltage — 0.49 Volts (Typ) @ $I_F = 1\text{ A}$



SOD882



MAXIMUM RATINGS (T_J=125°C unless otherwise noted)

Reverse Voltage	40	V
Junction Temperature	125Max	°C
Storage Temperature Range	-55 to +150	°C

Electrical characteristic (Ta= 25°C)

Parameter	Symbol	Spec. Limit			Unit
		Min.	Typ.	Max.	
Max. Repetitive Peak Reverse Voltage @0.5mA	V _{RRM}	40	50		V
Max. Average Forward Rectified Current	I _{F(AV)}			1	A
Forward Voltage Drop @1A	V _F		0.45	0.49	V
Max. Reverse Current at V _{RRM} @40V	I _R		30	100	μA
Operating Temperature Range	T _J	-55		+125	°C
Storage Temperature Range	T _{STG}	-55		+150	°C

SHIKE SAMPLES CHARACTERISTICS

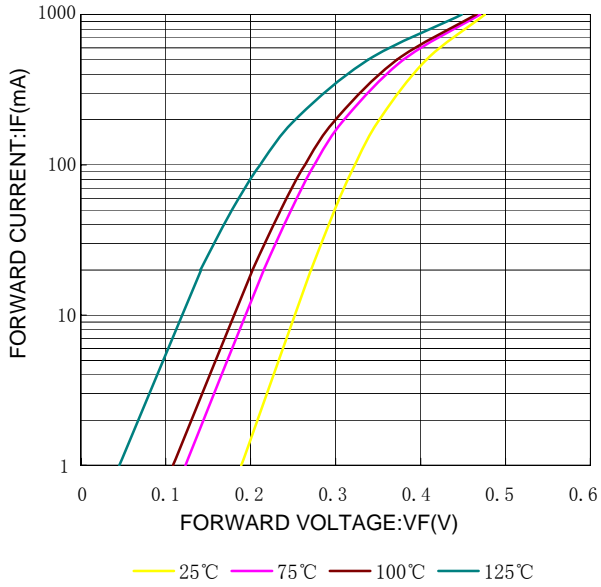


Fig.1 FORWARD CHARACTERISTICS

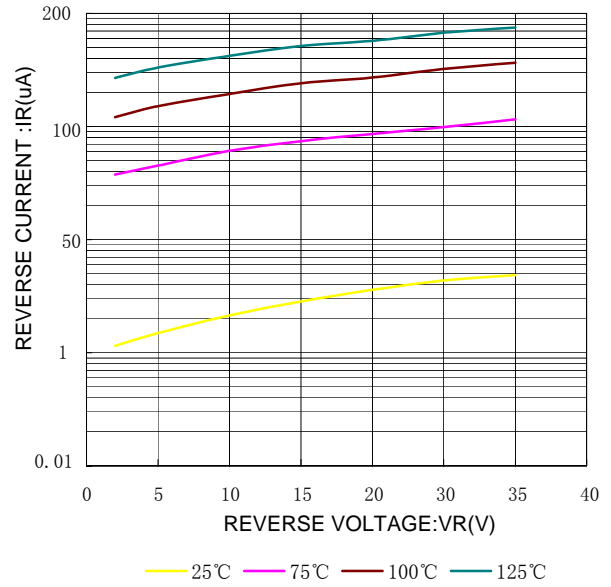
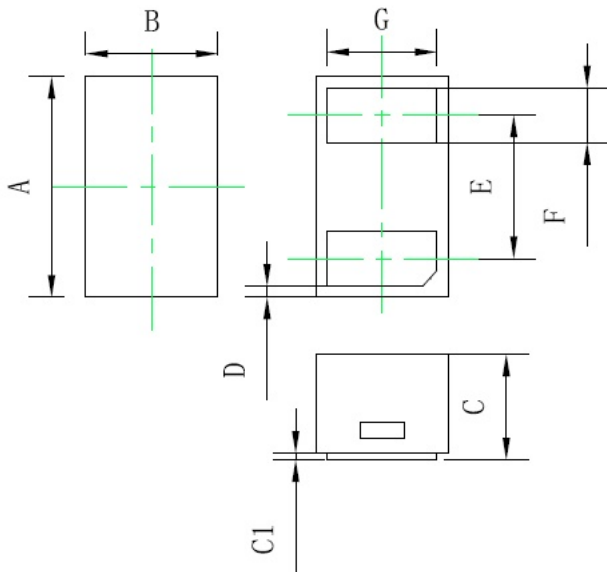


Fig.2 REVERSE CHARACTERISTICS

PACKAGE OUTLINE SOD-882

UNIT:mm



SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	0.95	1.00	1.075
B	0.55	0.60	0.675
C	0.40	0.45	0.50
C1			0.05
D	0.02	0.05	0.08
E	0.65 TYP		
F	0.20	0.25	0.30
G	0.45	0.50	0.55