

SCHOTTKY BARRIER DIODE

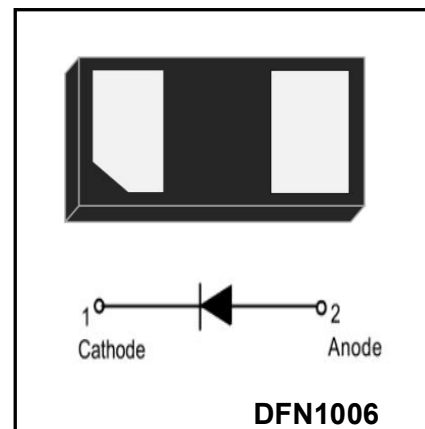
Features

- ♦Extremely small surface mounting type. (DFN1006).
- ♦Low I_r .
- ♦High reliability.
- ♦We declare that the material of product compliance.

with RoHS requirements and Halogen Free.

Applications

- ♦Low current rectification.



Absolute maximum ratings (T=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage	V_R	40	V
Average rectified forward current	I_{FAV}	200	mA
Forward current surge peak(@8.3ms)	I_{FSM}	1	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55~ + 125	°C

Electrical Characteristics (TA = 25 °C, unless otherwise specified)

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Forward voltage ($I_F=200mA$)	V_F	-	-	0.6	V
Breakdown Voltage ($I_R=50\mu A$)	V_{BR}	40	-	-	V
Reverse current ($V_R=10V$)	I_R	-	-	1	μA

Typical characteristics (TA=25°C, unless otherwise noted)

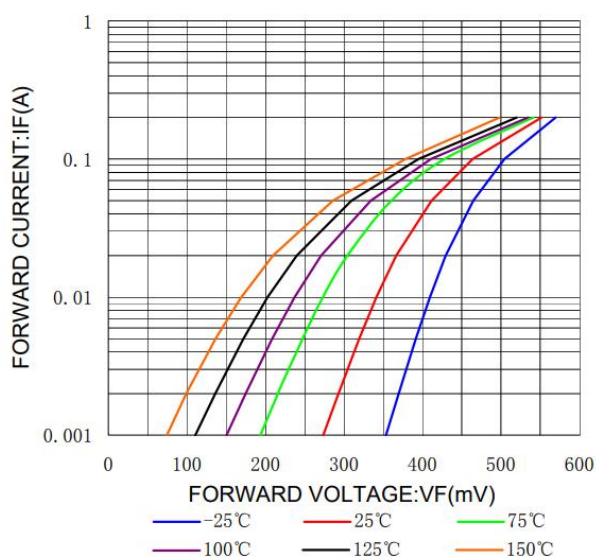


Fig.1 Forward Characteristics

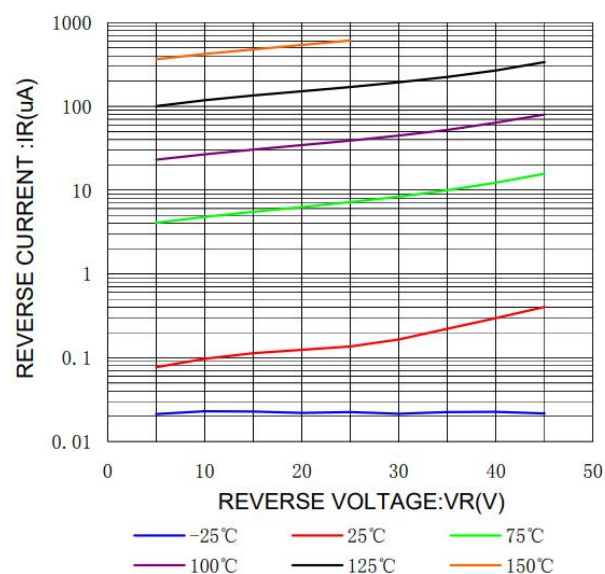
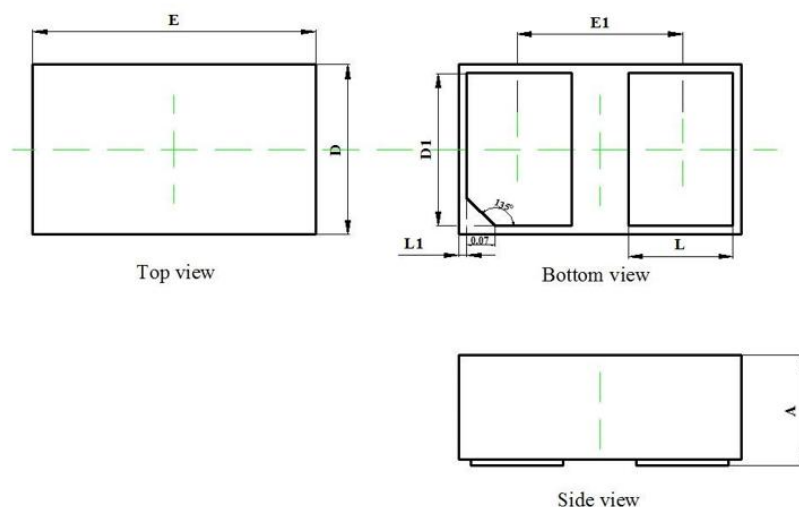


Fig.2 Reverse Characteristics

Package Outline

DFN1006



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.450	0.550	0.019	0.022
D	0.550	0.650	0.022	0.026
E	0.950	1.050	0.037	0.041
D1	0.420	0.520	0.017	0.020
E1	0.550	0.650	0.022	0.026
L	0.270	0.370	0.011	0.015
L1	0.000	0.100	0.000	0.004

Summary of Packing Options

Package	Package Description	Packing Quantity	Industry Standard
DFN1006	Tape/Reel, 7" reel	10000	EIA-481-1