

**SCHOTTKY BARRIER DIODE**

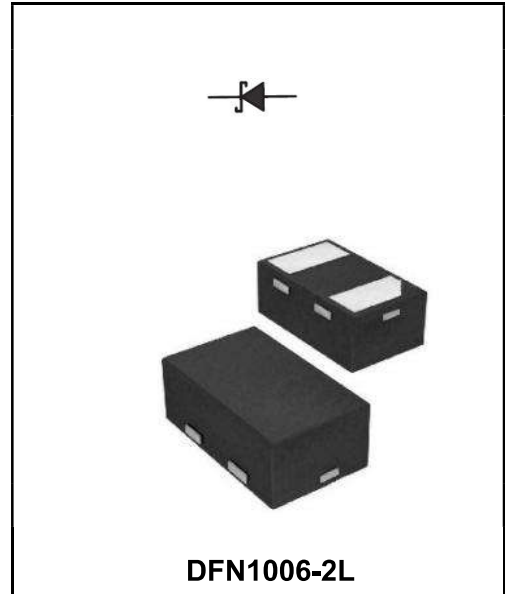
**Features**

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

**with RoHS requirements and Halogen Free.**

**Applications**

- ◆Low current rectification.



**Marking Code**

MBR4010BS	F
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**Absolute maximum ratings (T=25°C)**

Parameter	Symbol	Limits	Unit
Reverse voltage	VR	40	V
Average rectifierd forward current	IFAV	200	mA
Forward current surge peak(@8.3ms)	IFSM	1	A
Junction temperature	Tj	125	°C
Storage temperatue	Tstg	-55~ + 125	°C

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

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Forward voltage (IF=200mA)	VF	-	-	0.6	V
Breakdown Voltage (IR=50μA)	VBR	40	-	-	V
Reverse current (VR=10V)	IR	-	-	1	μA

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

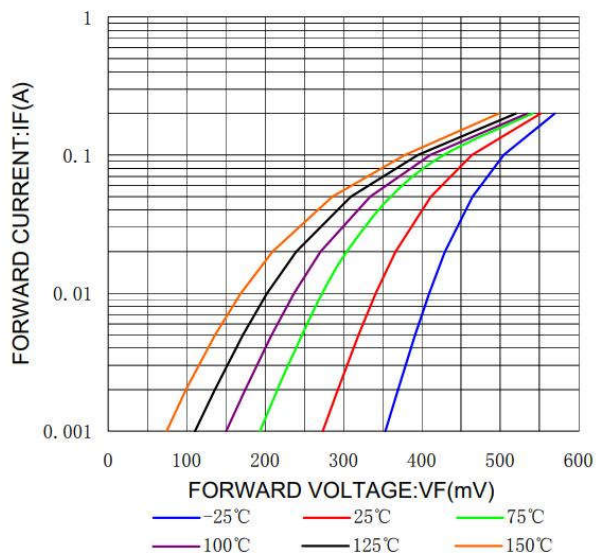


Fig.1 Forward Characteristics

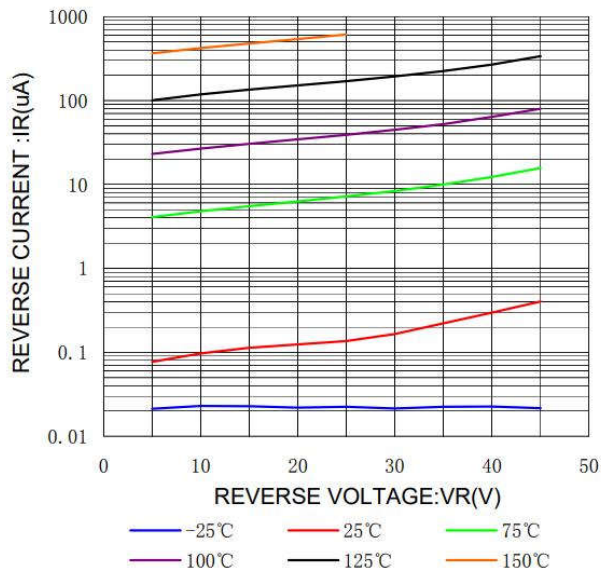


Fig.2 Reverse Characteristics

**Ordering information**

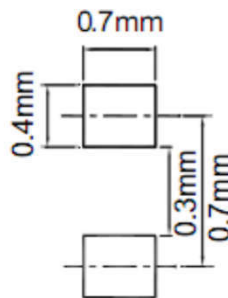
Package	Packing Description	Packing Quantity
DFN1006-2L	Tape/Reel,7"reel	10000PCS/Reel 400000PCS/Carton

**Package Dimensions**

**DFN1006-2L**

Dim.	Millimeter(mm)		Inches	
	Min.	Max.	Min.	Max.
A	0.350	0.450	0.014	0.018
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	-	0.100	-	0.004

**The recommended mounting pad size**



## Disclaimer

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