

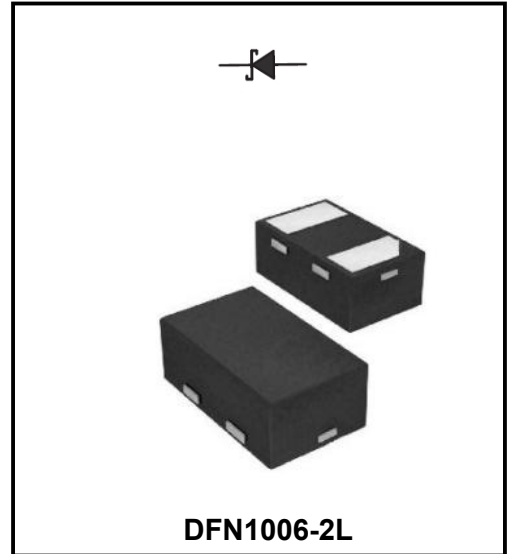
SCHOTTKY BARRIER DIOD

FEATURES

- ♦Extremely small surface mounting type. (DFN1006-2L).
- ♦Low I_r
- ♦High reliabil
- ♦We declare that the material of product compliance
- ♦with RoHS requirements and Halogen Free.

APPLICATIONS

- ♦Low current rectifica



Marking Code

RB521BS-40

F

Absolute maximum ratings (TA=25°C)

Parameter	Symbols	Value	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
Operating junction temperature range	T_j	125	°C
Storage temperature rang	T_{stg}	-55~ + 125	°C

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

Parameter	Symbols	Test Condition	Limits			Unit
			Min	Typ	Max	
Forward Voltage	V_F	$I_F=200mA$	-	-	0.6	V
Reverse Voltage	$V_{(BR)}$	$I_R=50\mu A$	40	-	-	V
Reverse Leakage Current	I_R	$V_R=10V$	-	-	1	μA

Typical Characteristics

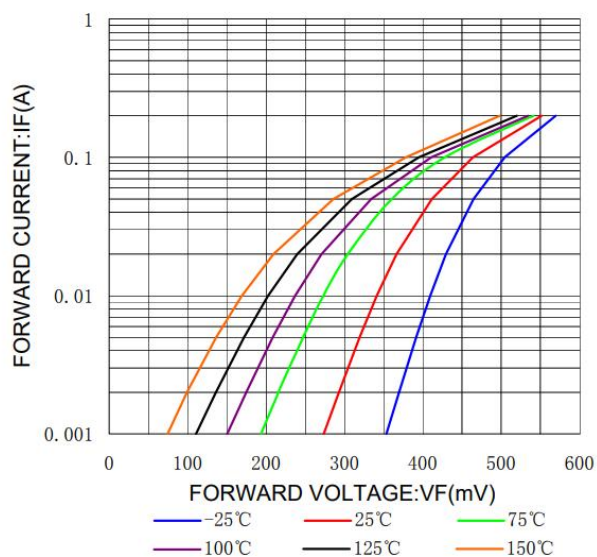


Fig.1 Forward Characteristics

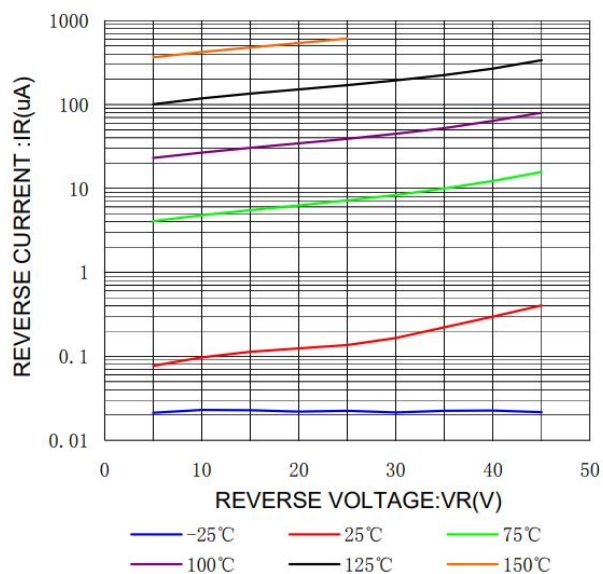


Fig.2 Reverse Characteristics

Ordering information

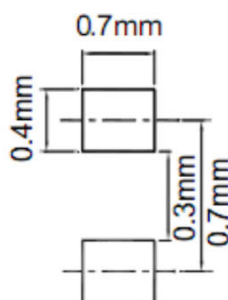
Package	Packing Description	Packing Quantity
DFN1006-2L	Tape/Reel, 7" reel	10000PCS/Reel 400000PCS/Carton

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



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