

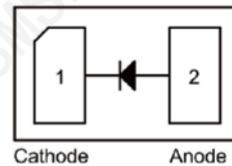
Features and benefits

- ◆ Extremely small surface mounting type.
- ◆ High Speed.



Application information

- ◆ High speed switching



DFN1006-2L

Maximum Ratings (TA=25°C unless otherwise specified)

Symbol	Parameter	Value	Unitat
V _{RM}	Peak reverse voltage	90	V
V _R	DC reverse voltage	80	V
I _{FM}	Peak forward current	225	mA
I _o	Mean rectifying current	100	mA
I _{SURGE}	Surge current (1s)	500	mA
T _J	Junction temperature	125	°C
T _{stg}	Storage temperature	-40 to +125	°C

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

Symbol	Characteristic	Max	Unitat
V _F	Forward voltage(I _F =100mA)	1.2	V
I _R	Reverse current(V _R =80V)	0.1	uA
C _T	Capacitance between terminals(V _R =0.5V,f=1MHz)	3	pF
T _{rr}	Reverse recovery time(V _R =6V,I _F =10mA,R _L =100Ω)	4	nS

Typical Characteristics

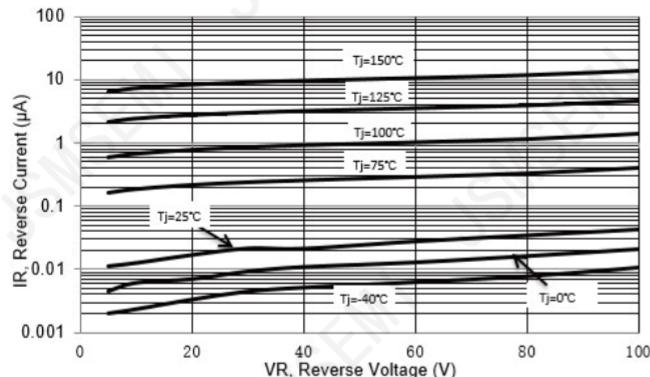


Fig 1.Reverse Current vs. Reverse Voltage

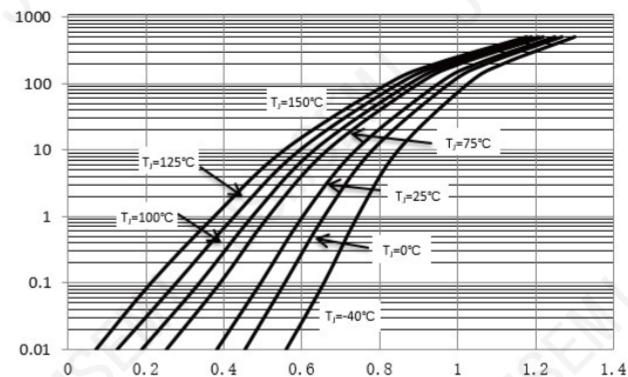


Fig 2.Forward Characteristics

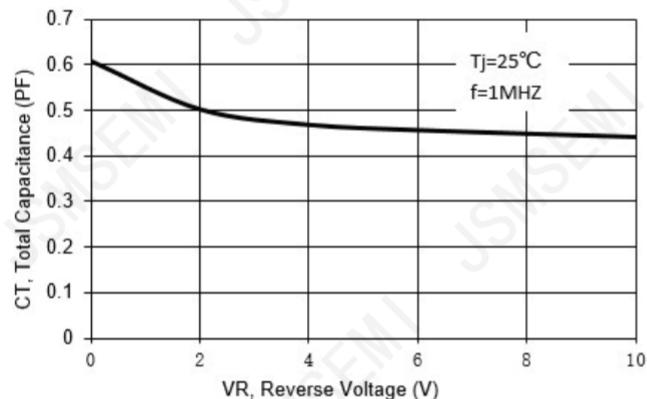
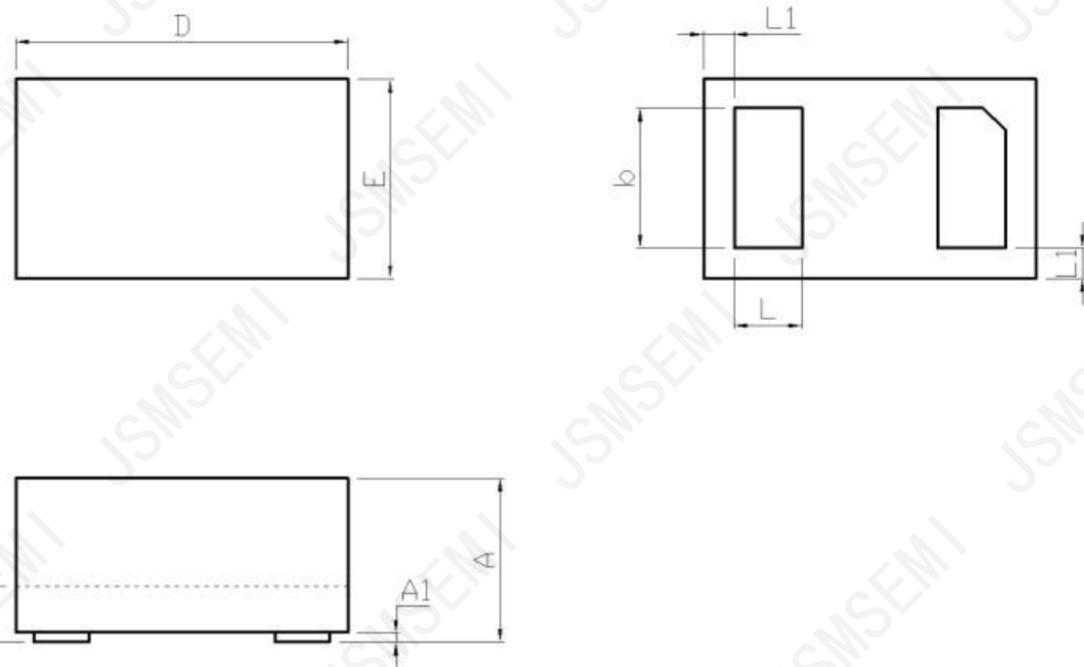


Fig 3.Total Capacitance vs.Reverse Voltage

DFN1006-2L Package Outline Dimensions

DFN1006-2L (mm)			
DIM	MIN	TYP.	MAX
A	0.40	0.50	0.55
A1	0	0.02	0.05
b	0.45	0.5	0.55
c	0.1	0.15	0.18
D	0.95	1.00	1.05
E	0.55	0.60	0.65
L	0.20	0.25	0.30

Revision History

Rev.	Change	Date
V1.0	Initial version	2/23/2024

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