

## Features and benefits

- Extremely small surface mounting type.
- High Speed.

## Application information

- High speed switching



DFN1006-2L



**marking: T8**

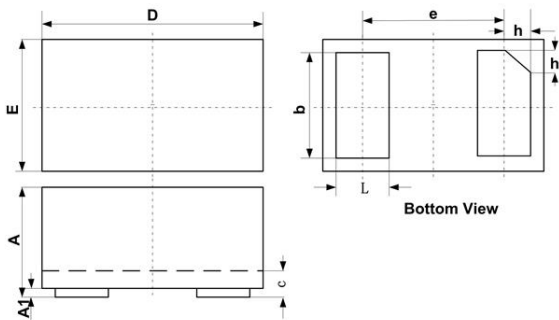
### Absolute Maximum Ratings (Tamb=25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Peak reverse voltage	$V_{RM}$	90	V
DC reverse voltage	$V_R$	80	V
Peak forward current	$I_{FM}$	225	mA
Mean rectifying current	$I_O$	100	mA
Surge current (1s)	$I_{SURGE}$	500	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

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

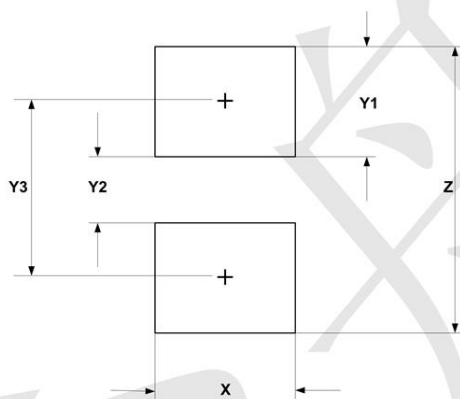
Characteristic	Symbol	Max	Unit
Forward voltage ( $I_F=100mA$ )	$V_F$	1.2	V
Reverse current ( $V_R=80V$ )	$I_R$	0.1	uA
Capacitance between terminals ( $V_R=0.5V, f=1MHz$ )	$C_T$	3	pF
Reverse recovery time ( $V_R=6V, I_F=10mA, R_L=100\Omega$ )	$T_{rr}$	4	nS

### Outline Drawing - DFN1006-2



SYM	DIMENSIONS					
	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.45	0.50	0.55	0.018	0.020	0.022
A1	0.00	0.02	0.05	0.000	0.001	0.002
b	0.45	0.50	0.55	0.018	0.020	0.022
c	0.12	0.15	0.18	0.005	0.006	0.007
D	0.95	1.00	1.05	0.037	0.039	0.041
e	0.65 BSC			0.026 BSC		
E	0.55	0.60	0.65	0.022	0.024	0.026
L	0.20	0.25	0.30	0.008	0.010	0.012
h	0.07	0.12	0.17	0.003	0.005	0.007

### Land Pattern - DFN1006-2



SYM	DIMENSIONS	
	MILLIMETERS	INCHES
X	0.60	0.024
Y1	0.50	0.020
Y2	0.30	0.012
Y3	0.80	0.032
Z	1.30	0.052