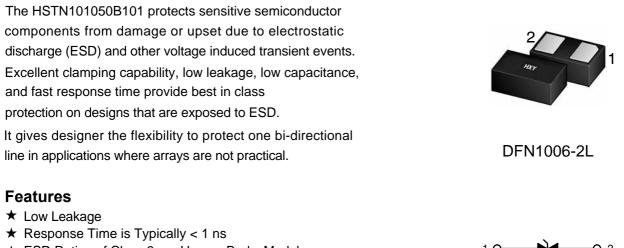


Discription



- ★ ESD Rating of Class 3 per Human Body Model
- ★ IEC61000-4-2 Level 4 ESD Protection
- ★ These are Pb-Free Devices
- ★ We declare that the material of product compliance with RoHS requirements and Halogen Free.

Orderingin formation

Product ID	Pack	Qty(PCS)		
HSTN101050B101	DFN1006-2L	10000		

Absolute Ratings(Tamb = 25°C)

Symbol	Parameter	Value	Units	
P _{PP}	Peak Pulse Power (t _p = 8/20µs)	66	W	
TL	Maximum lead temperature for soldering during 10s	260	°C	
T _{stg}	Storage Temperature Range	-55 to +150	°C	
T _{op}	Operating Temperature Range	-40 to +125	°C	
Tj	Maximum junction temperature		150	°C
		air discharge act discharge	±25 ±20	K٧
	CON	accuscharge	±20	



Circuit Diagram



Electrical Characteristics

	V _{RWM} (V)	I _{R1} (μΑ) @ V _{RWM}	I _{R2} (μΑ) @ V _R =3.5V	V _{BR} (V) @ Է (Note 2)		ե	V _C (V) @ lpp = 1 A (Note 3)	V _C (V) @MAX I _{PP} (Note 3)	I _{PF} (A) (Note 3)	Р_{РК}(W) (Note 3)	C (pF)
Device	Max	Max	Мах	Min	Мах	mA	Мах	Max	Max	Max	Тур
HSTN101050B101	5.0	0.5	0.3	5.6	8.0	1.0	8.5	12	5.5	66	10

Other voltage available upon request.

2. V_{BR} is measured with a pulse test current IT at an ambient temperature of 25 $^\circ C$

3. Surge current waveform per Figure 3.

Typical Characteristics

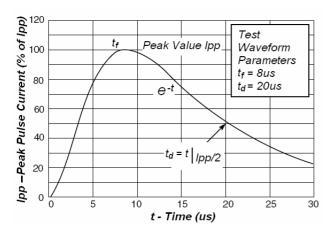
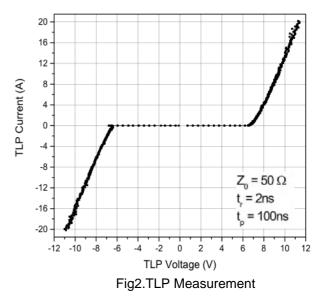
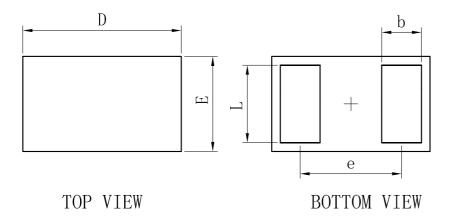


Fig1. Pulse Waveform

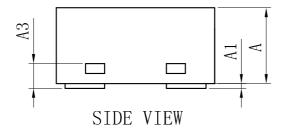




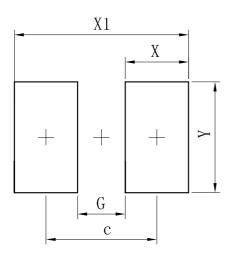
Outline And Dimensions



DFN1006-2L						
Dim	Min	Тур	Max			
D	0.95	1.00	1.05			
Е	0.55	0.60	0.65			
е	-	0.64	-			
L	0.44	0.49	0.54			
b	0.20	0.25	0.30			
A	0.43	0.48	0.53			
A1	0 - 0.0					
A3	A3 0. 127REF.					
All Dimensions in mm						



Soledering Footprint



Dimensions	(mm)
С	0.70
G	0.30
Х	0.40
X1	1.10
Y	0.70



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