

5 é / Descriptions

*, 4 2 .> // x % ċ i E g + 9 * ' 8 â 'ož

DFN1006-2L Plastic Package 1-Line,Bi-directional , ESD Protection Diode.

□^a / Features

- < Stand-off voltage: $\pm 4.5V$ Max.
- < Transient protection for each line according to IEC61000-4-2(ESD): $\pm 30kV$ (contact)
IEC61000-4-4 (EFT): 40A (5/50ns)
IEC61000-4-5(surge): 37A (8/20 s)
- < Ultra-low capacitance: $C_J = 65pF$ typ.
- < Low leakage current:
- < Low clamping voltage: $V_{CL} = 7.0V$ typ. @ $I_{PP} = 16A$ (TLP)
- < Solid-state silicon technology
- < HF Product

Đ ÷ / Applications

- < Cellular handsets
- < Tablets
- < Laptops
- < Other portable devices
- < Network communication devices

Ã W] Ô · / Equivalent Circuit

• Ũ - æ / Pinning

, M V / Marking

• - ~^a ¢ož

See Marking Instructions.

Ã a ? d / Absolute Maximum Ratings(Ta=25 ;)

@ f Parameter	... Z Symbol	f > Rating	% y Unit
Peak Pulse Power($t_p = 8/20 \text{ s}$)	P_{PK}	370	W
Peak Pulse Current($t_p = 8/20 \text{ s}$)	I_{PP}	37	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 30	KV
ESD according to IEC61000-4-2 contact discharge		± 30	
Junction temperature	T_J	125	
Operating temperature	T_{OP}	-40~85	
Lead temperature	T_L	260	
Storage Temperature	T_{STG}	-55~+150	

Definitions of electrical characteristics

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	V_{RWM}				± 4.5	V
Reverse leakage current	I_R	$V_{RWM} = \pm 4.5V$			0.1	μA
Reverse breakdown voltage	V_{BR}	$I_T=15.9520408$		0		V

Electrical Characteristic Curve(Ta=25℃ ; g unless otherwise noted)

Electrical Characteristic Curve c Ta=25 ; g unless otherwise noted d

Ø □ =) ¢ / Package Dimensions

