

5 é / Descriptions

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

□^a / Features

- < Stand-off voltage: ±4.5V Max.
- < Transient protection for each line according to IEC61000-4-2(ESD): ±30kV (contact)
IEC61000-4-4 (EFT): 40A (5/50ns)
IEC61000-4-5(surge): 37A (8/20 s)
- < Ultra-low capacitance: CJ = 65pF typ.
- < Low leakage current:
- < Low clamping voltage: VCL =7.0V typ. @ IPP = 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

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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}	$I_T=15.95204 \pm 10.495\% \pm 4.5V$			282.54	

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

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

Ø □ =) ¢ / Package Dimensions

