

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

Stand-off voltage: $\pm 12\text{V}$ Max

Transient protection for each line according to

IEC61000-4-2(ESD): $\pm 30\text{kV}$ (contact)

IEC61000-4-4 (EFT): 40A (5/50ns)

IEC61000-4-5(surge): 6A (8/20 μs)

Ultra-low capacitance: $C_J = 5\text{pF}$ typ

Low leakage current:

Low clamping voltage: $V_{CL} = 21.0\text{V}$ typ. @ $I_{PP} = 16\text{A}$ (TLP)

Solid-state silicon technology

Qualified to AEC-Q101 Standards for High Reliability

HF Product

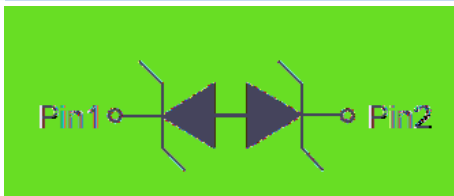
Computers and peripherals

Audio and video equipment

Communication systems

Portable electronics

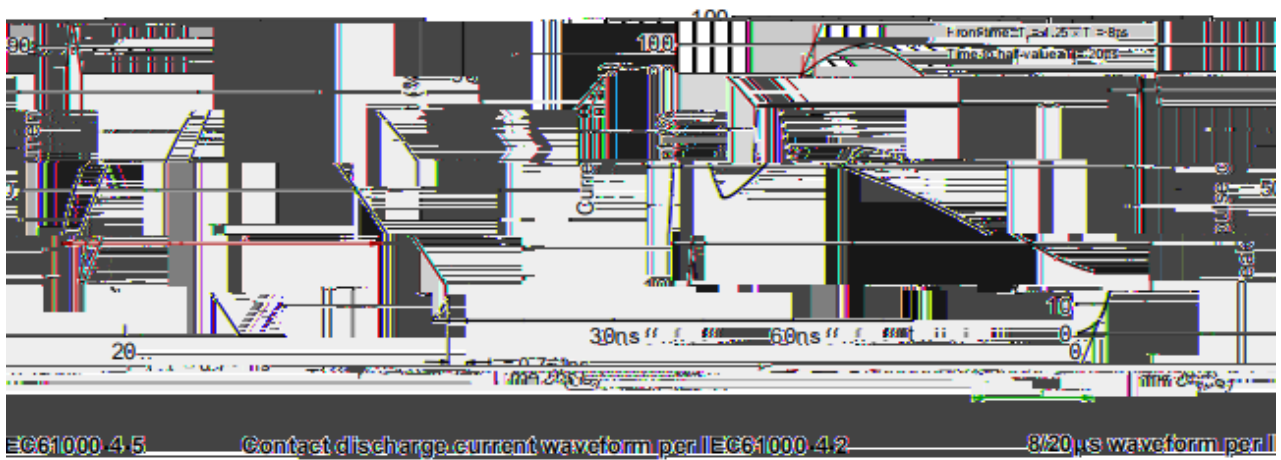
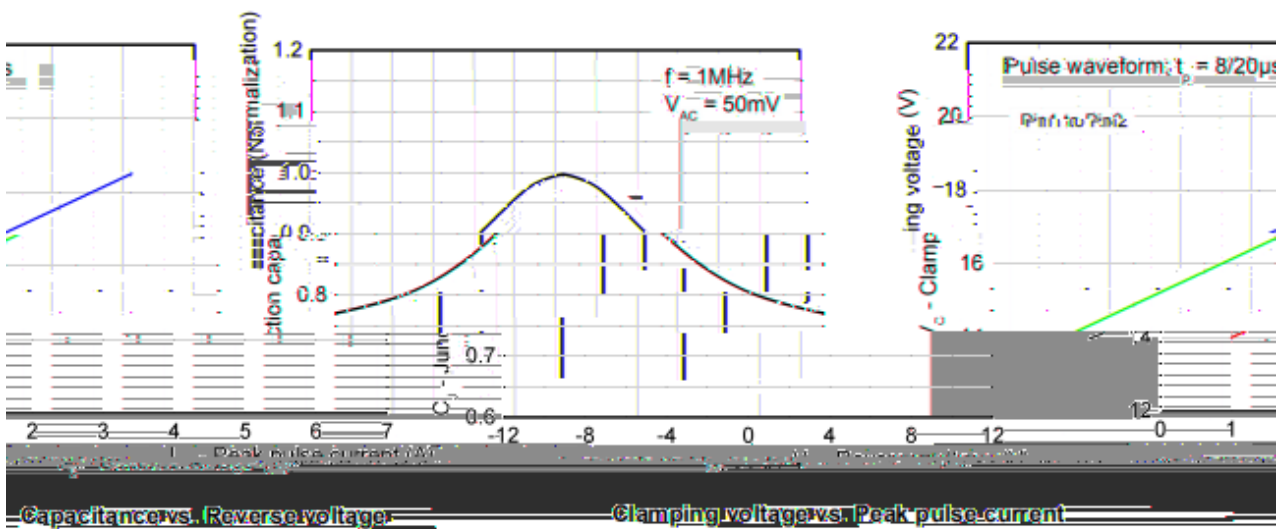
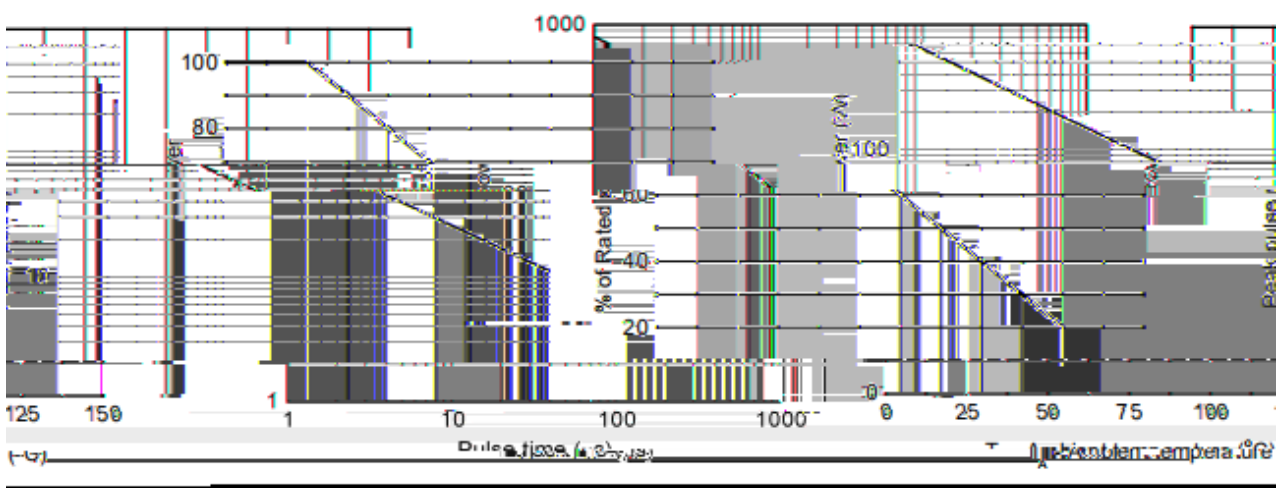
Meet the stringent requirements of automotive applications

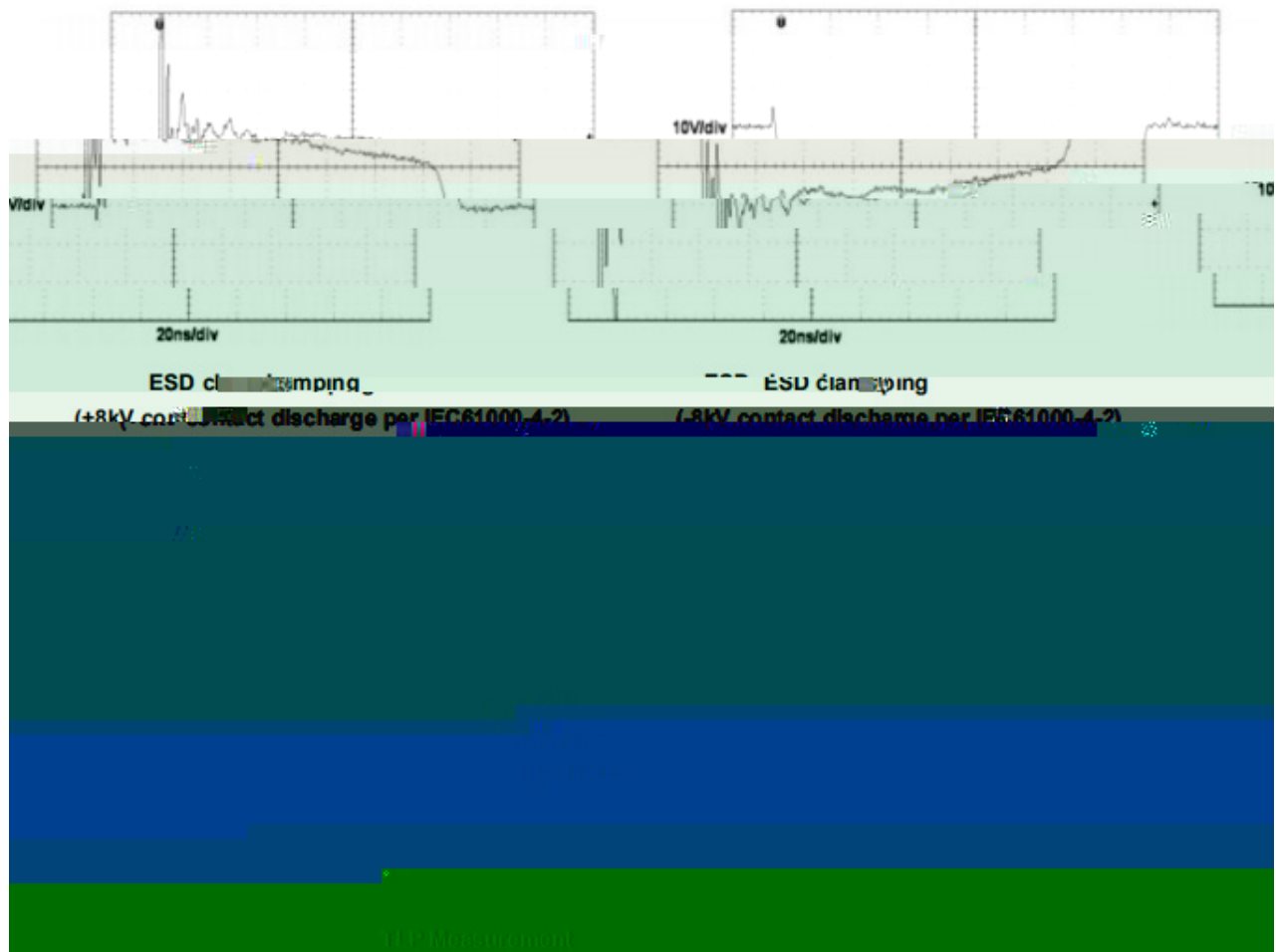


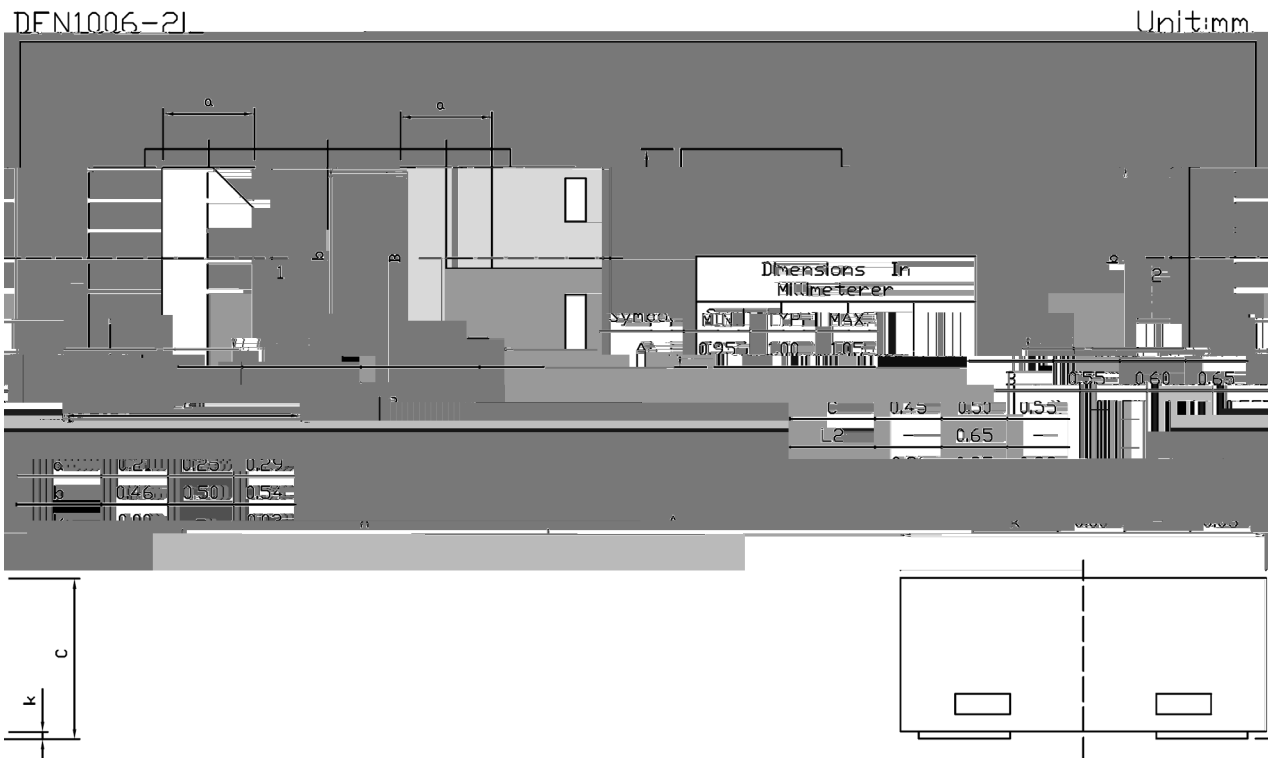
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Peak Pulse Power($t_p = 8/20\mu s$)	P_{PK}	120	W
Peak Pulse Current($t_p = 8/20\mu s$)	I_{PP}	6	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	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	V_{RWM}	RW		V		







Rev.01 202108



Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- 1

150 200

60 120sec;

1.Preheating:150~200 , Time:60~120sec.
- 2

255±5

5±0.5sec;

2.Peak Temp.:255±5 , Duration:5±0.5sec.
- 3

2 10

/sec.

3. Cooling Speed: 2~10 /sec.

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type

Units

Dimension

(unit mm³