DFN1006-2L ESD

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

Stand-off voltage: ±12V Max.

Transient protection for each line according to

IEC61000-4-2(ESD): ±30kV (contact)

IEC61000-4-2Vy969054(c3 IEC610005y962(Esurge-4.35-

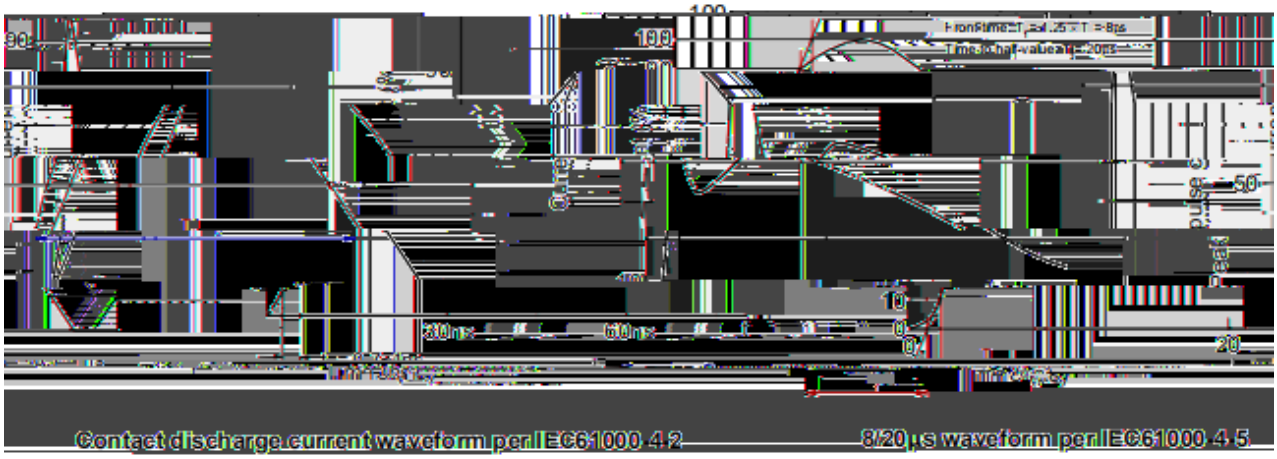
/ Absolute Maximum Ratings

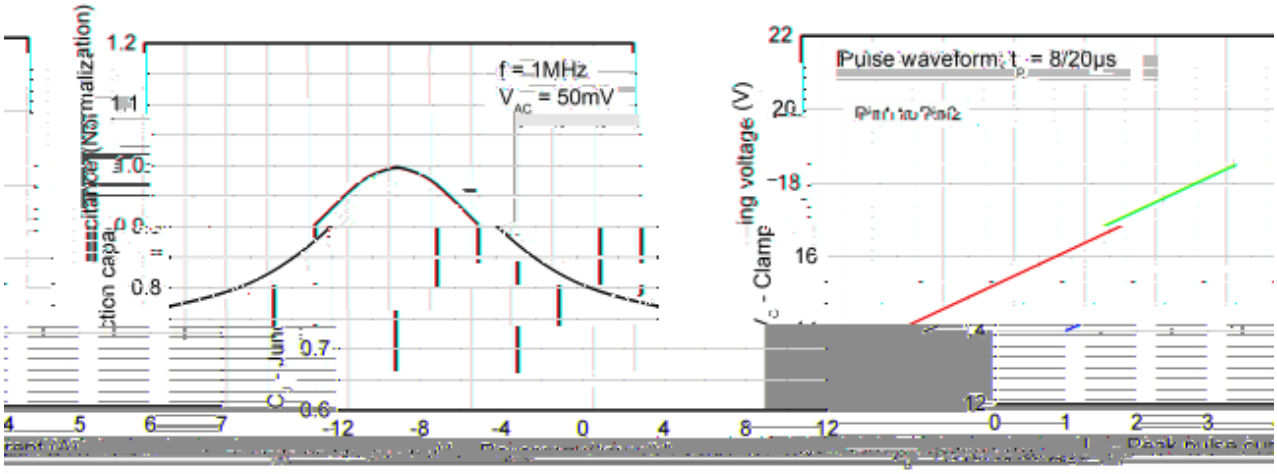
Parameter	Symbol	Rating	Unit
Peak Pulse Power(t_p = 8/20μs)	P_{PK}	120	W
Peak Pulse Current(t_p = 8/20μs)	I_{PP}	6	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	±30	KV
ESD according to IEC61000-4-2 contact discharge		±30	
Junction temperature	T_J	125	
Operating temperature	T_{OP}	-40~85	
Lead temperature	T_L	260	
Storage Temperature	T_{STG}	-55~+150	

Definitions of electrical characteristics

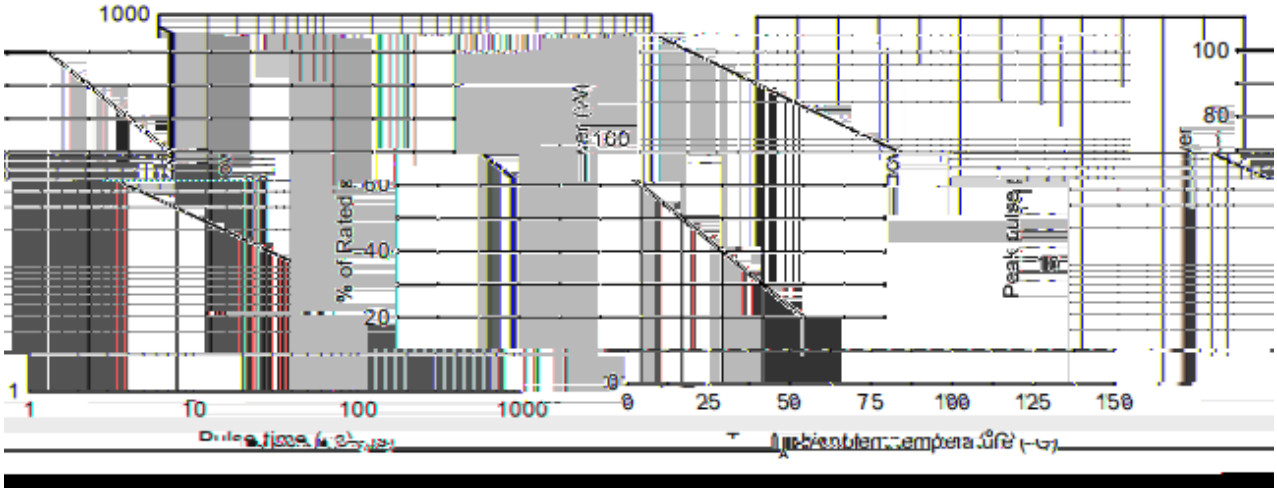
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit

/ Electrical Characteristic Curve(Ta=25)

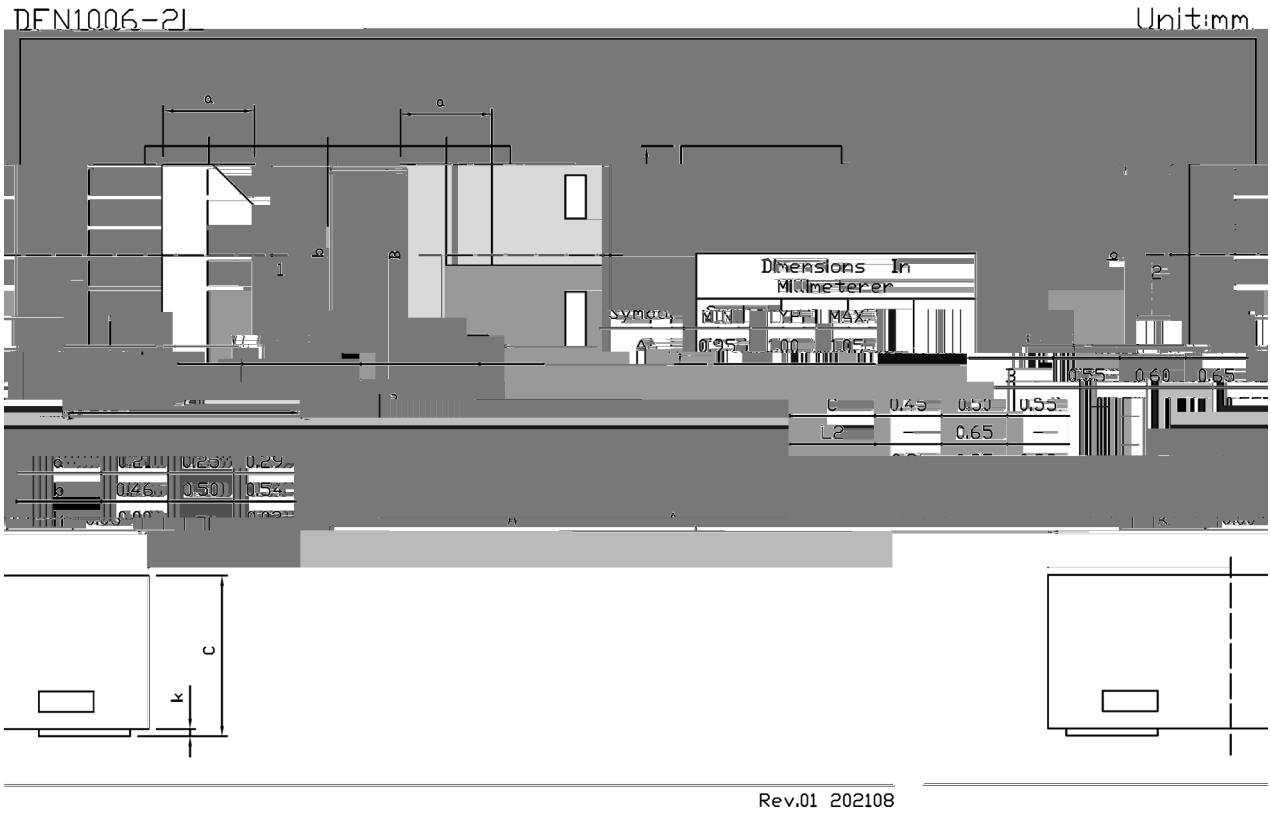




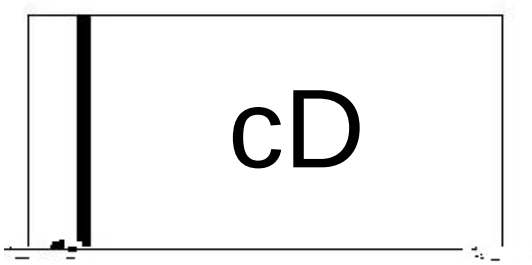
Clamping voltage vs. Peak pulse current　　Capacitance vs. Reverse voltage



/ Package Dimensions



/ Marking Instructions



cD

Note

cD	Product Type Code

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

1 150 180 60 90sec;

2 245±5 5±0.5sec;

3 2 10 /sec.

1.Preheating:150~180 , Time:60~90sec.

2.Peak Temp.:245±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.