

Rev.E Dec.-2024

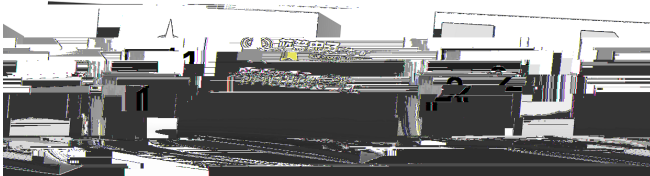
; =E (' ' - \$) C <J;
DFN1006-2L Plastic Package ESD Protection Diode.

(ej *' BM @: - (' ' '\$+\$) + <J;

Ultra small package, Response Time is Typically < 1 ns, ESD > 30 kV per Human Body Model,IEC61000 4 2 Level 4 ESD Protection,HF Product.

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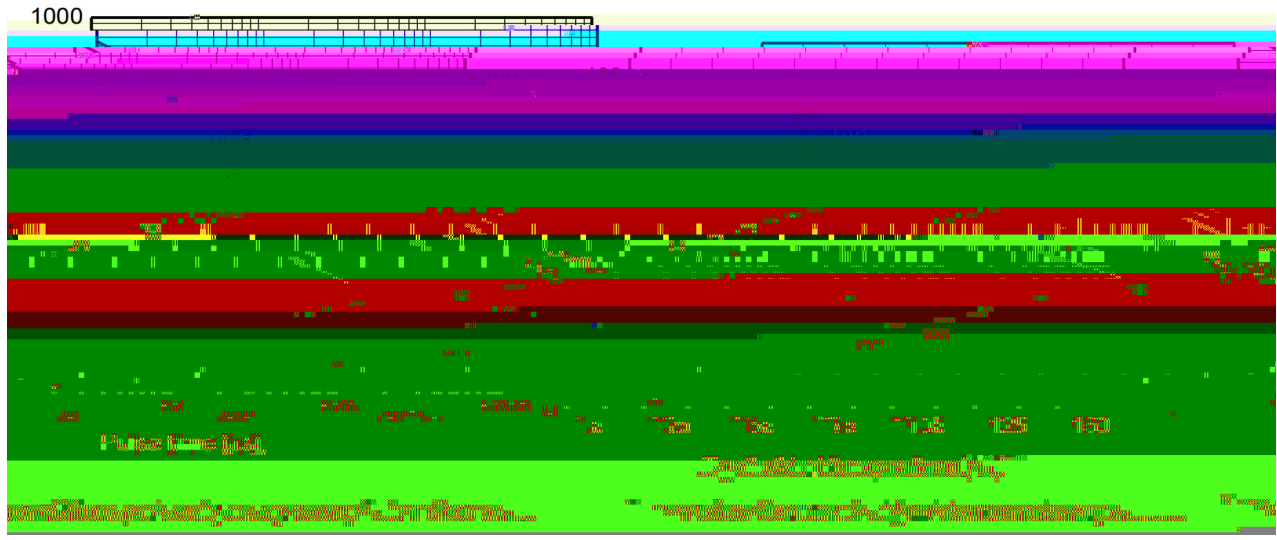
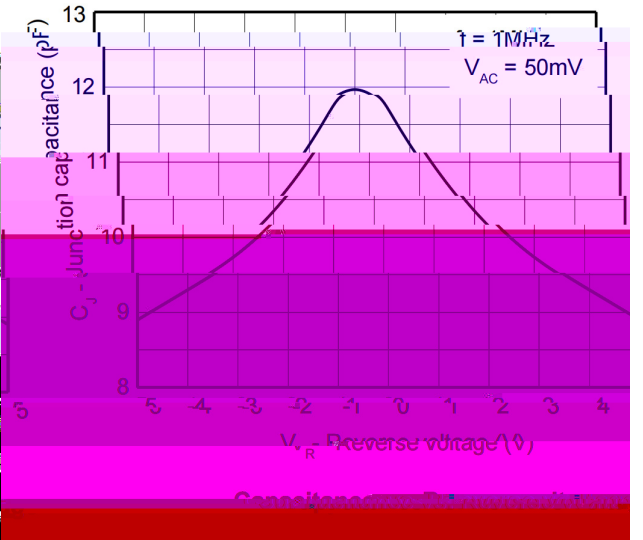
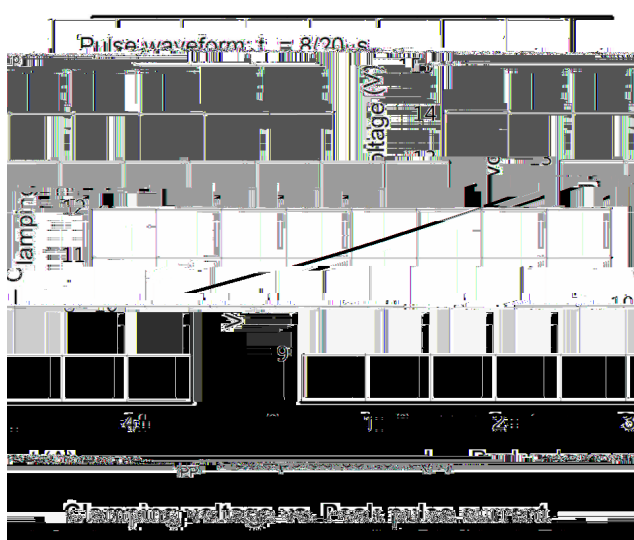
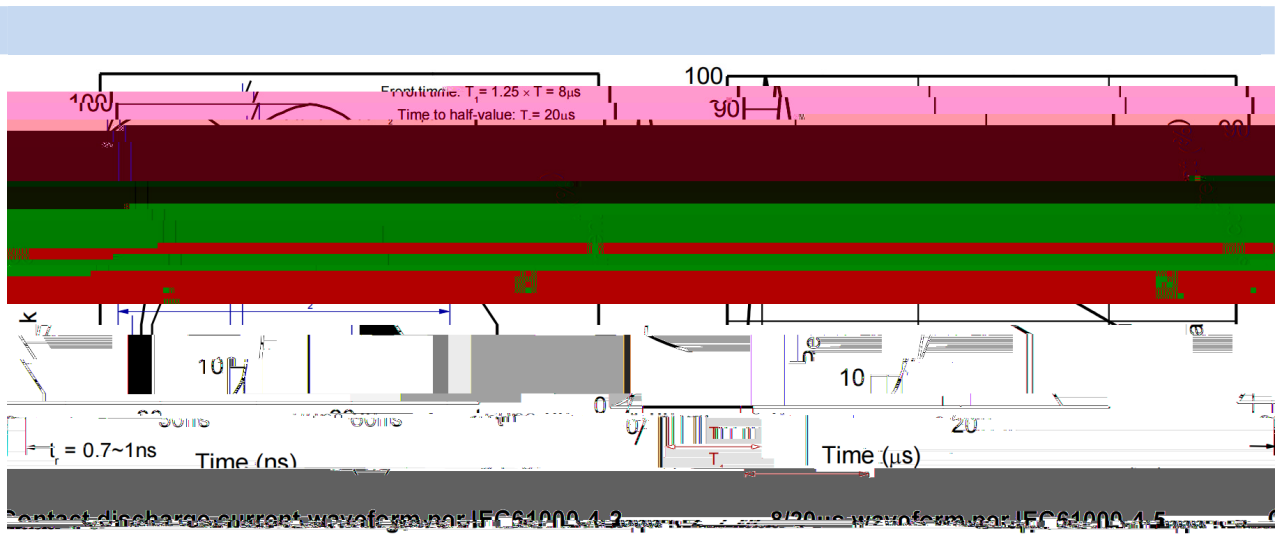
Suitable for cellular phones audio,MP3 players, Digital cameras, Portable devices, mobile telephone and other users.

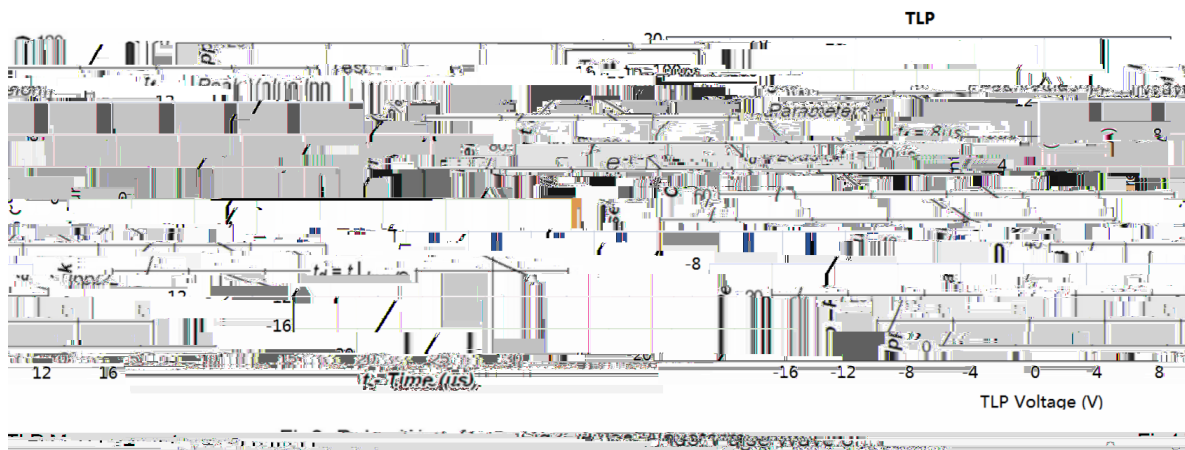
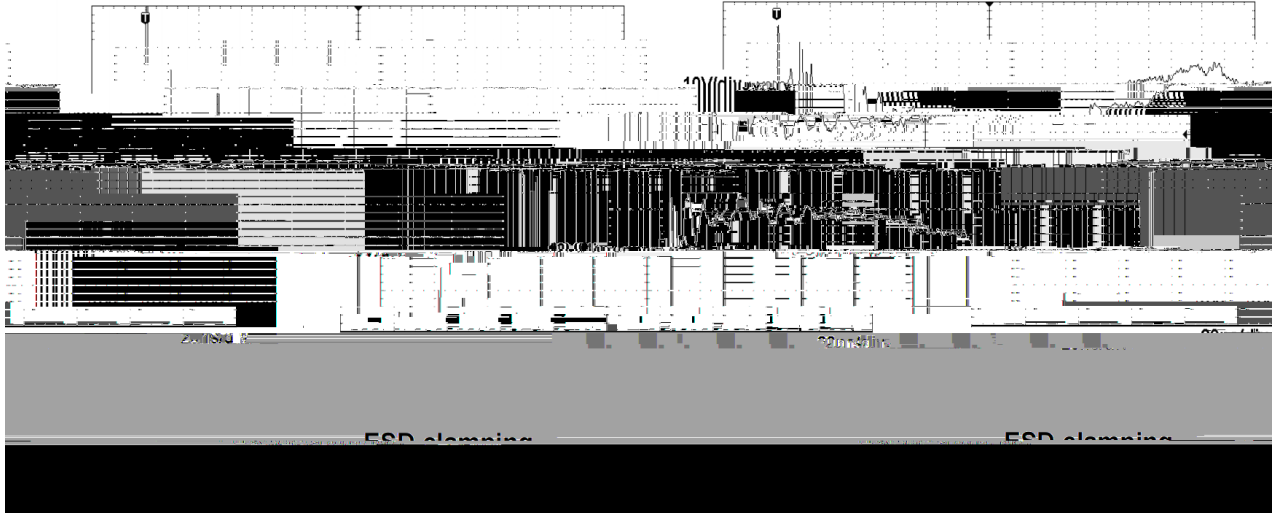


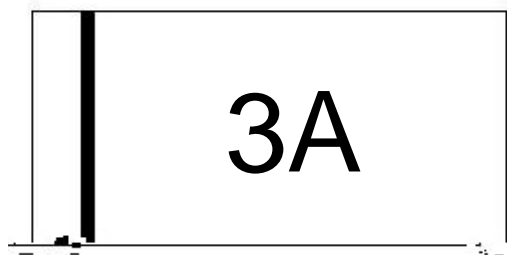
See Marking Instructions.

| Parameter | Symbol | Rating | Unit |
|---|-----------|----------|------|
| Peak pulse power ($t_p = 8/20\mu s$) | P_K | 69 | W |
| Peak pulse current ($t_p = 8/20\mu s$) | I_{PP} | 5.5 | 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 | 150 | |
| Storage temperature | T_{STG} | -55~+150 | |

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---------------------------------|--------------------|-----------------|-----|-----|-----|------|
| Reverse maximum working voltage | \hat{A}_V Min | | | | | |







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Note

3A Product Type Code

Temperature Profile for IR Reflow Soldering(Pb-Free)

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Note:

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|---|-----------|-------------|---|
| 1 | 150 ~ 180 | 60 ~ 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245..5 | 5..0.5sec; | 2.Peak Temp.:245..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 | Units/Reel | (units/Reel) | Reels/Inner Box | Units/Inner Box |
|--------------|-------|-----------|------------|--------------|-----------------|-----------------|
| | | Reel | Inner Box | Outer | OT | /- |