* , 4 .> / / x % ¿ i E g + 9 * 8 â o
DFN0603 Pac Pac g 1-Li Bi d al, ESD Pro Dio

Sta dg 5V Max
Tar pro dg d
IEC61000-4-2(ESD): 30kV (ai c
IEC61000-4-4 (EFT): 80A (5/50 s
IEC61000-4-5(Su 20A (8/20 s
Ul- pa eCJ = 35 F yp
Lo ka e
Lo g VCL =7.8V yp @ IPP = 16A (TLP)
Sta dg
HF Pro

Ba y Li Pro
Ad Li Pro
Mo Li Pro
GPIO Pro

| @<br>Parameter | Z<br>Symbol | | % y<br>Unit |
|---|---|---|---|
| Peak Pulse Power (tp = 8/20 μs) | $P_{PK}$ | 230 | W |
| Peak Pulse Current (tp = 8/20 μs) | $I_{PP}$ | 20 | A |

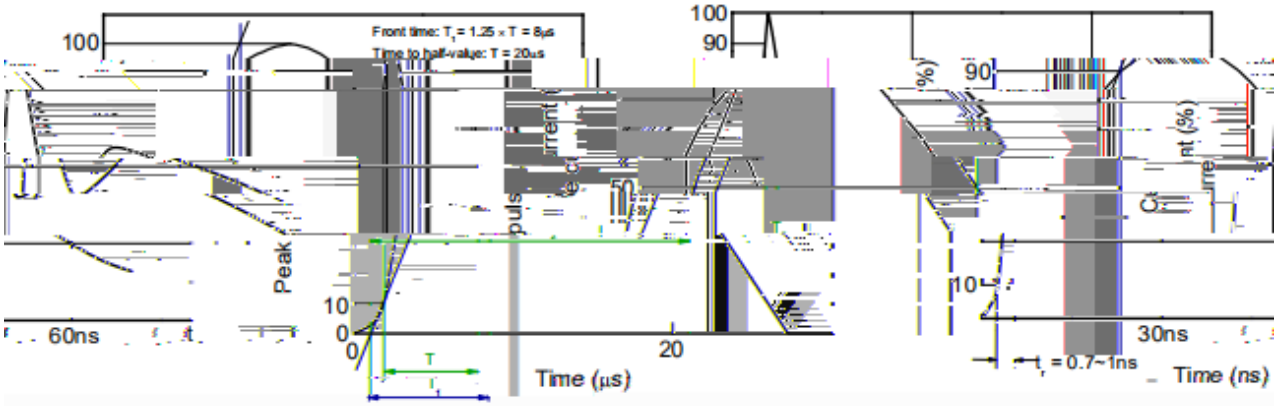
ESD according to IEC61000-4-2

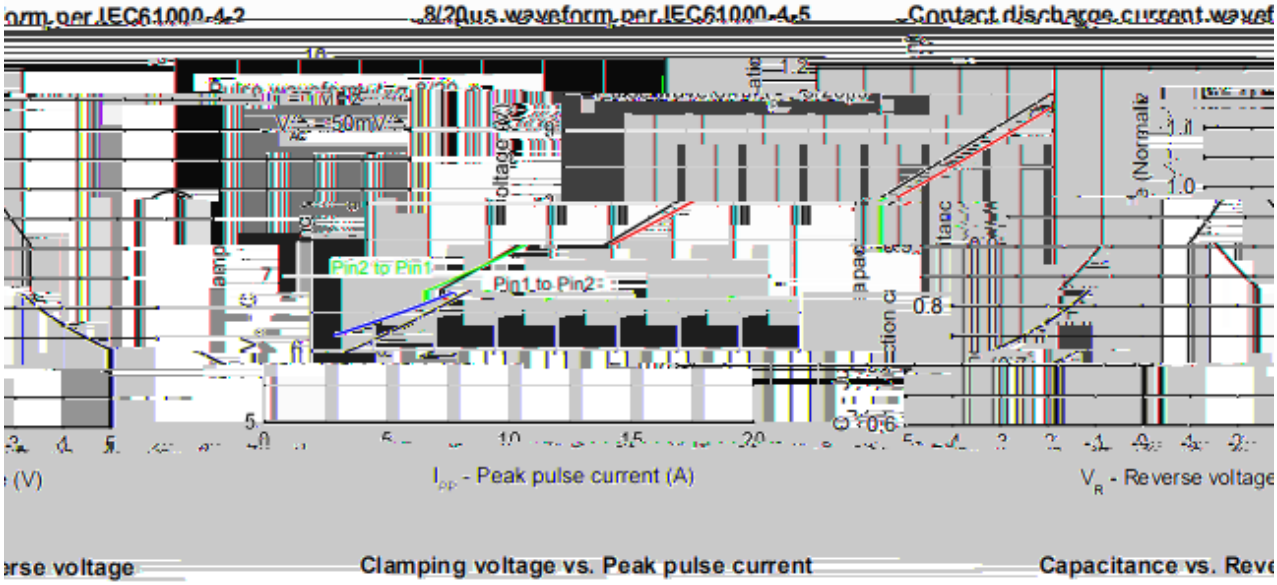
## Definitions of electrical characteristics

| @<br>Parameter | Z<br>Symbol | y ¡ Ú^<br>Test Conditions | ´ 4<br>Min | `”<br>Typ | ´ Ý<br>Max | %<br>y<br>Unit |
|---|---|---|---|---|---|---|
| Reverse working voltage | $V_{RWM}$ | | | | f 5.0 | V |
| Reverse leakage current | $I_R$ | $V_{RWM}$ = 5.0V | | | 100 | nA |
| Reverse breakdown voltage | $V_{BR}$ | $I_{BR}$=1mA | 5.1 | | | V |
| Reverse holding voltage | $V_{HOLD}$ | $I_{HOLD}$=50mA | 5.1 | | | V |
| Clamping voltage [1] | $V_{CL}$ | $I_{PP}$=16A | | | | |

t V5 .48 2.7( )]TJ7.0172 0 0 73 -P1T8 598 T66/.01 s

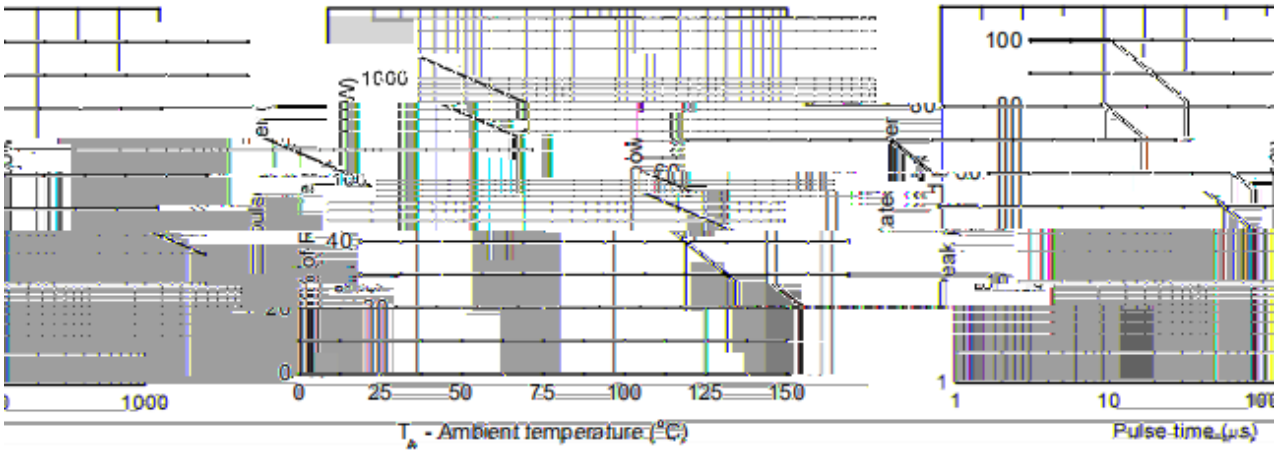
## Ô? d ¢ / Electrical Characteristic Curve(Ta=25 ; )



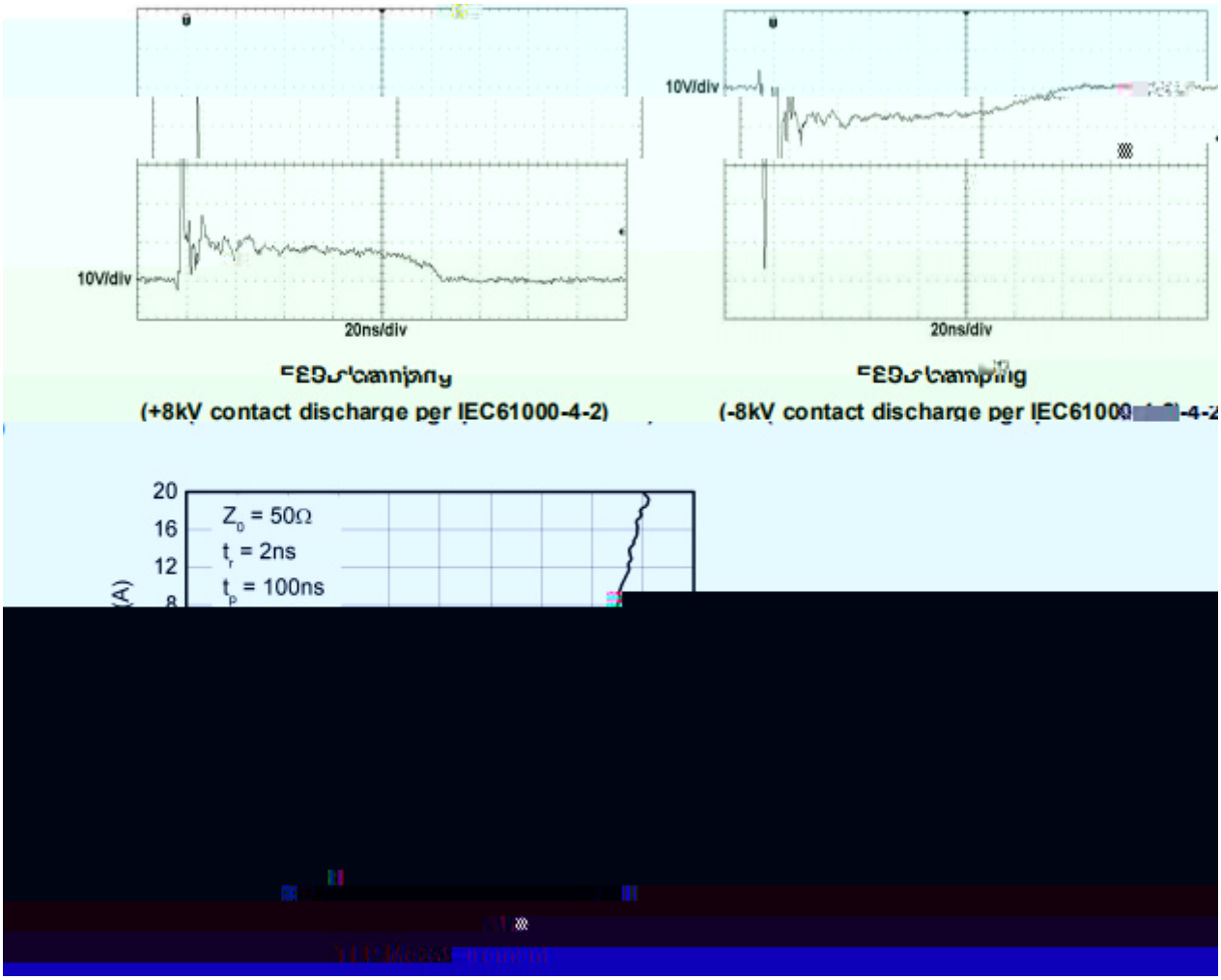

Clamping voltage vs. Peak pulse current

Capacitance vs. Reve




Non-repetitive peak pulse power

## Ô? d ¢ / Electrical Characteristic Curve(Ta=25 ; )



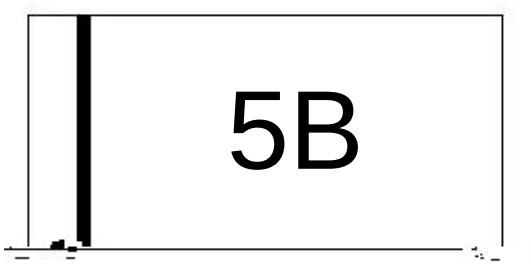

ESD clamping
(+8kV contact discharge per IEC61000-4-2)

ESD clamping
(-8kV contact discharge per IEC61000-4-2

## Package Dimensions



## , M y / Marking Instructions




“ ¢ y

( y ” Z W A

Nt y

5B y Pd Tg Cd

## WD t ¢ (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

| |
|---|
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| |
| |

| “ ¢ y | | | | Nø | | | |
|---|---|---|---|---|---|---|---|
| 1o ˜ ‰ | 150 ‰ 180 - k | 60 ‰ 90ø | | 1.Pa 150±180 | | - , Ti 60-90ø | |
| 2o Q | 245 r 5 - k | 4 Ò | 5 r 0.5ø | 2.Pa Tp 245 | r 5 - , Da 5 | | r 0.5ø |
| 3o D N òi Ò 0 , | 2 ‰ 10 - /ø | | | 3. | Cl Sp 2±0 | - /ø | |

## ´D /Cª p fl » ] / Resistance to Soldering Heat Test Conditions

| y 260 r 5 - | y 10 r 1 ø | Tp 260±5 | Ti 10± ø |
|---|---|---|---|

## G P Æ / Packaging SPEC.

2 & x / REEL

| Pa Tp 7>ß E | Uø ;>ß ƒH | | | | | Dø ;>ß p . (ø ˘ m ³) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Units/Reel / ›- | Reels/Inner Box ›- /- | Units/Inner Box /- | Inner Boxes/Outer Box - /1ç | Units/Outer Box /1ç | Reel | Inner Box× | Outer Box 1ç | ¦EÎñ F5”„Žp”6 – Qº |