Parameter	Symbol	Rating	Unit
Peak pulse power (t_p = 8/20 s)	P_K	420	W
Peak pulse current (t_p = 8/20 s)	I_{PP}	7	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	Ņ
Storage temperature	T_{STG}	-55~+150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	V_{RWM}				¤ 36	V
Reverse leakage current	I_R	V_{RWM} = ¤ 36V			100	nA
Reverse breakdown voltage[1)]	V_{BR}	I_T = 1mA	36			V
Clamping voltage [2)]	V_C	I_{PP} = 1A t_p = 8/20 s		46	48	V
		I_{PP} = 7A t_p = 8/20 s		75	77	V
		V_{ESD}=8KV [3)]		65		V
Junction capacitance	C_J	V_R = 0V f = 1MHz		15	20	pF
Clamping voltage[4)]	V_{CL}	IPP = 16A tp = 100ns		60		V
Dynamic resistance[4)]	R_{DYN}			0.22		

Notes:

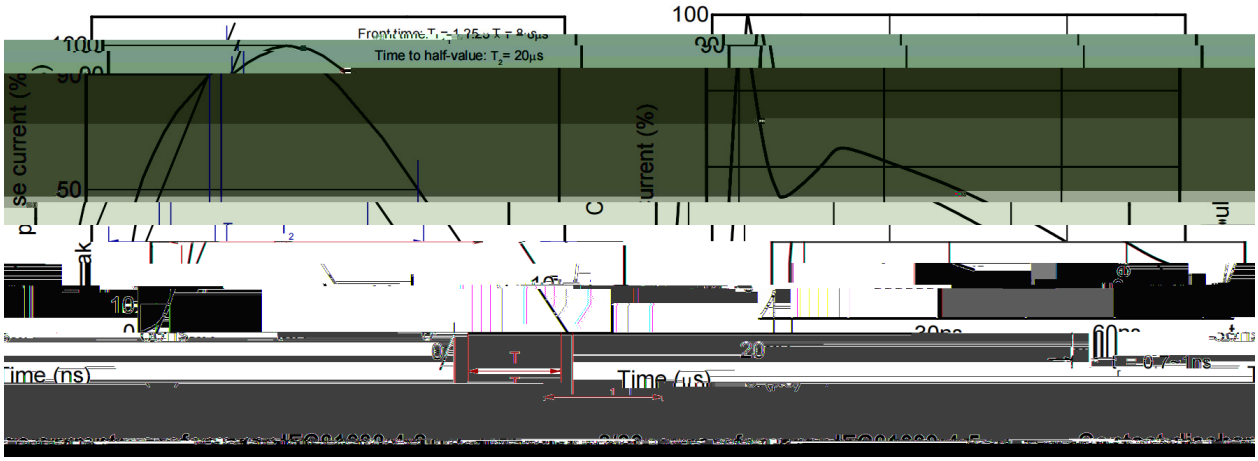
1) V_{BR} is measured with a pulse test current IT at an ambient temperature of 25 .

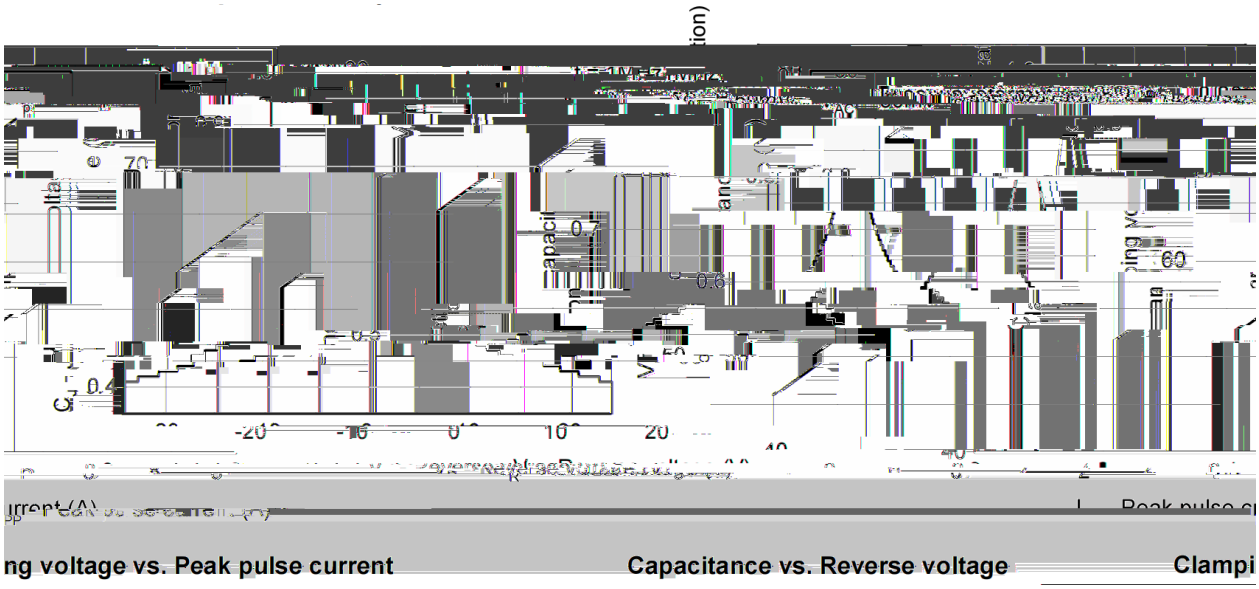
2) Non-repetitive current pulse, according to IEC61000-4-5.

3) Contact discharge mode, according to IEC61000-4-2.

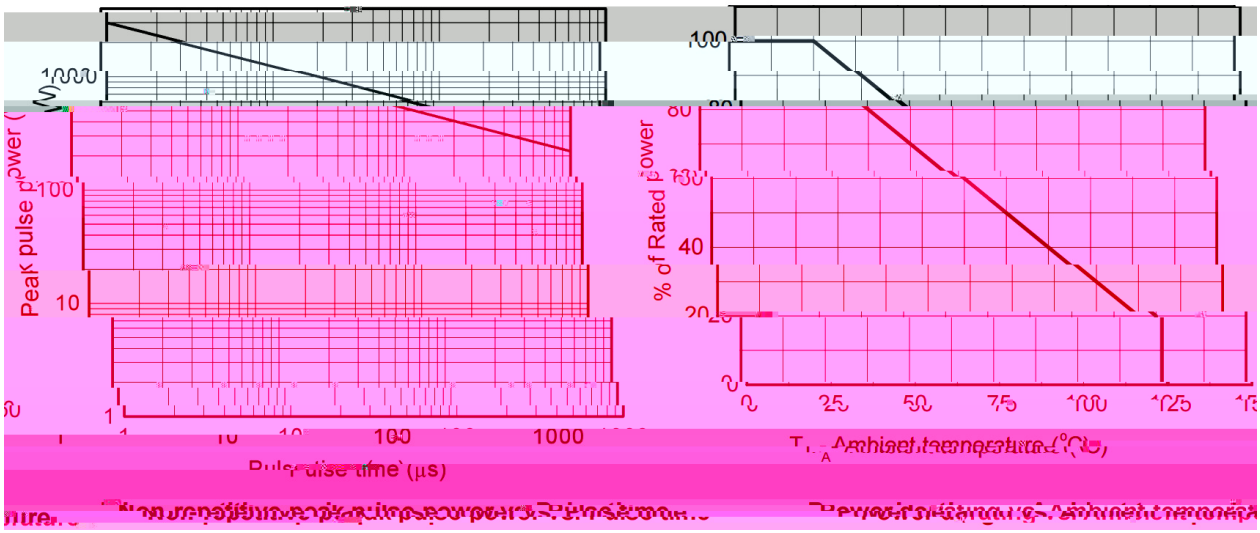
4)TLP parameter: Z0 = 50 , tp = 100ns, tr = 2ns, averaging window from 60ns to 80ns. RDYN is calculated from 4A to 16A.

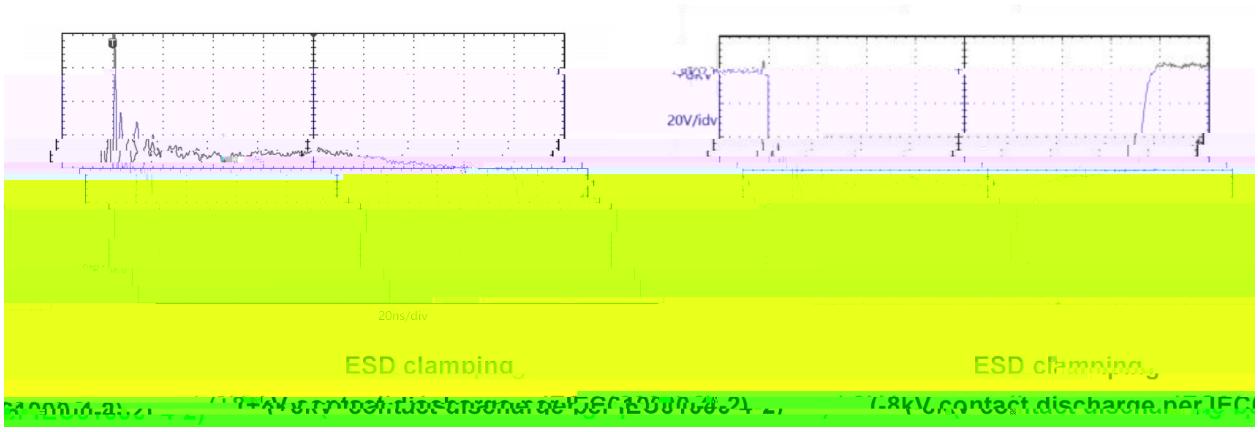

Reverse stand-off voltage
Ipp
Reverse leakage cur
Clamping voltage
Peak pulse current
VTRIG VHOLD
VCL
VBR
VRWM
IR
IBR
VR
Reverse trigger voltage
Reverse breakdown current
Peak pulse power

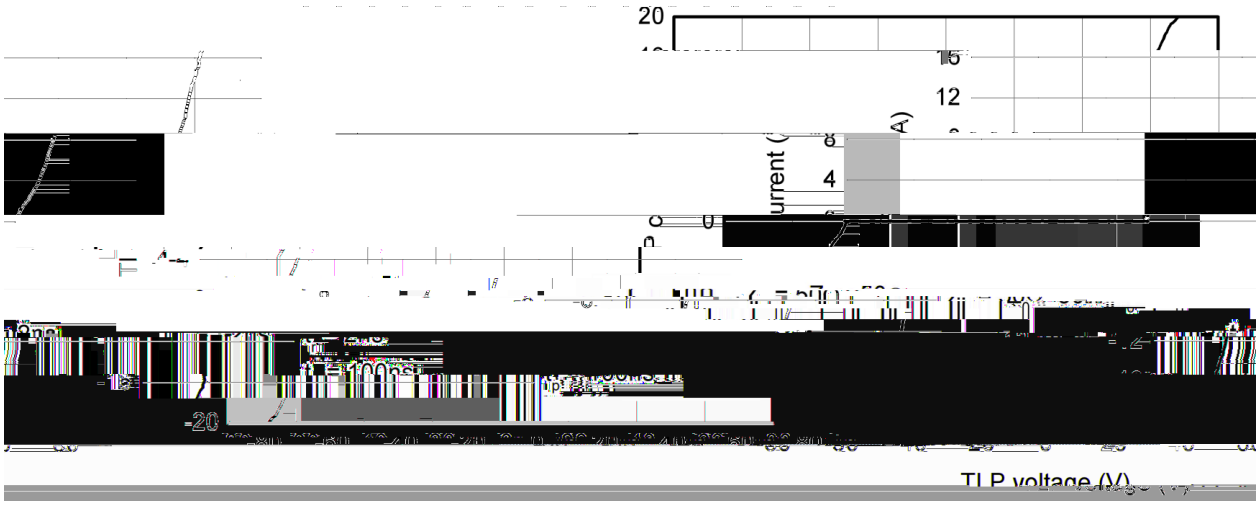


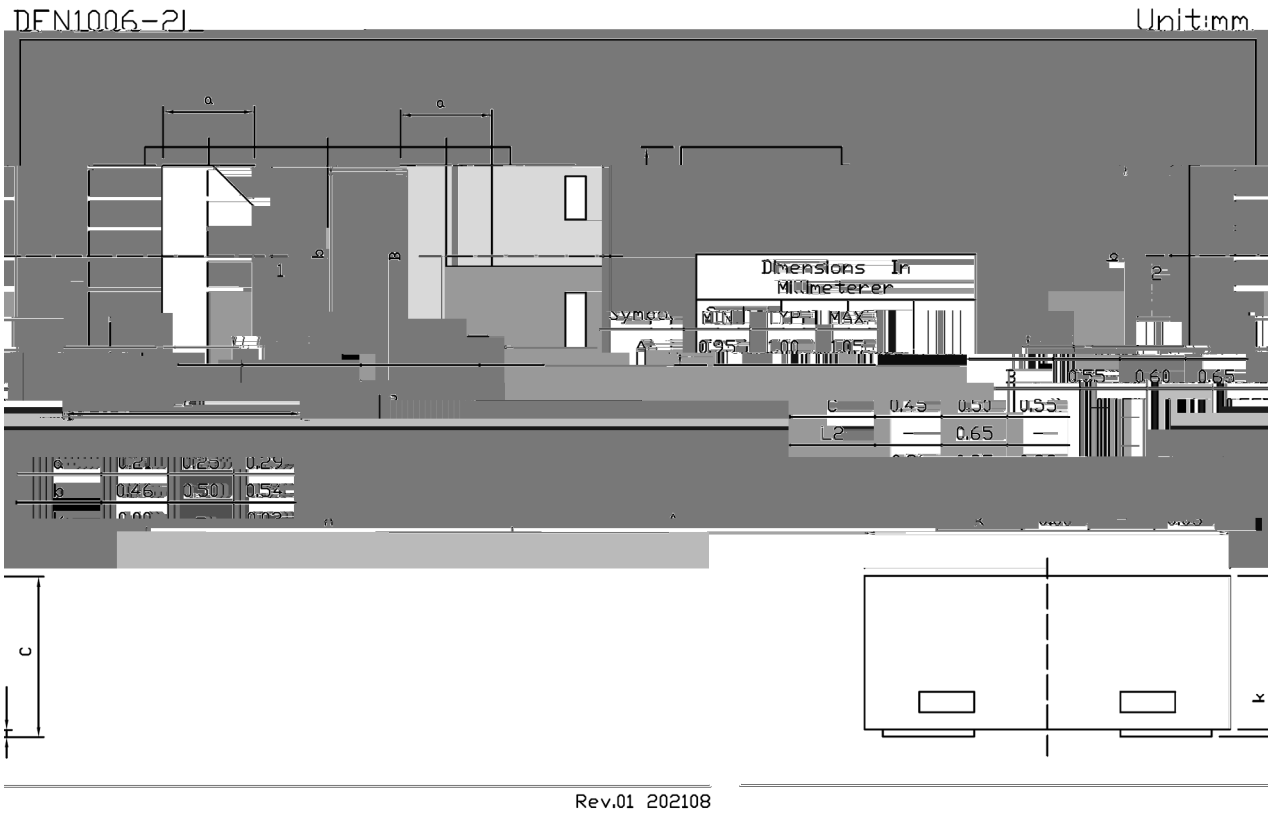


ng voltage vs. Peak pulse current | Capacitance vs. Reverse voltage | Clampi




20V/div
20ns/div
ESD clamping
ESD clamping


20
15
12
8
4
0
-20
TLP voltage (V)


DFN1006-2L
Unit:mm
Dimensions In Millimeterer
Symbol
MIN
TYP
MAX
A
0.95
1.00
1.05
B
0.55
0.60
0.65
C
0.45
0.50
0.55
L2
0.65
0.21
0.25
0.29
b
0.46
0.50
0.54
Rev.01 202108



Temperature Profile for IR Reflow Soldering(Pb-Free)

			Note:
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	(unit mm³)