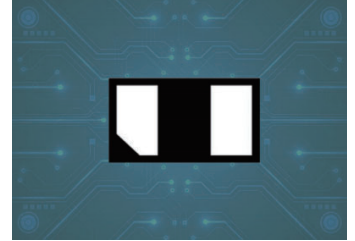


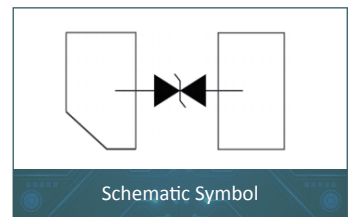
1. FEATURES

- 100W Peak Pulse Power per Line (tp=8/20μs)
- Protects One bidirectional I/O line
- Working voltages :12.0V
- Low leakage current
- Low clamping voltage



2. APPLICATIONS

- Cell Phone Handsets and Accessories
- Microprocessor based equipment
- Personal Digital Assistants (PDA'S)
- Notebooks,Desktops,and Servers
- Portable Instrumentation
- Peripherals
- Pagers



3. IEC COMPATIBILITY

- IEC61000-4-2 (ESD) ±25kV (air), ±25kV (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)

4. THERMAL CONSIDERATIONS

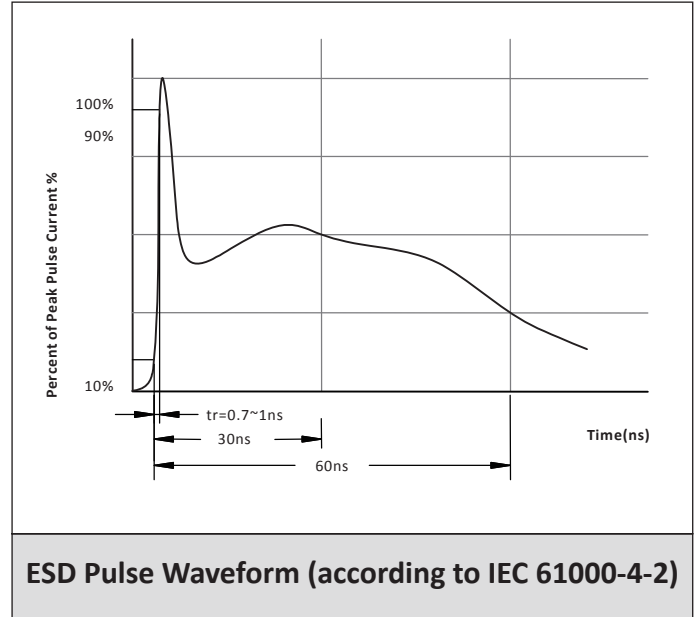
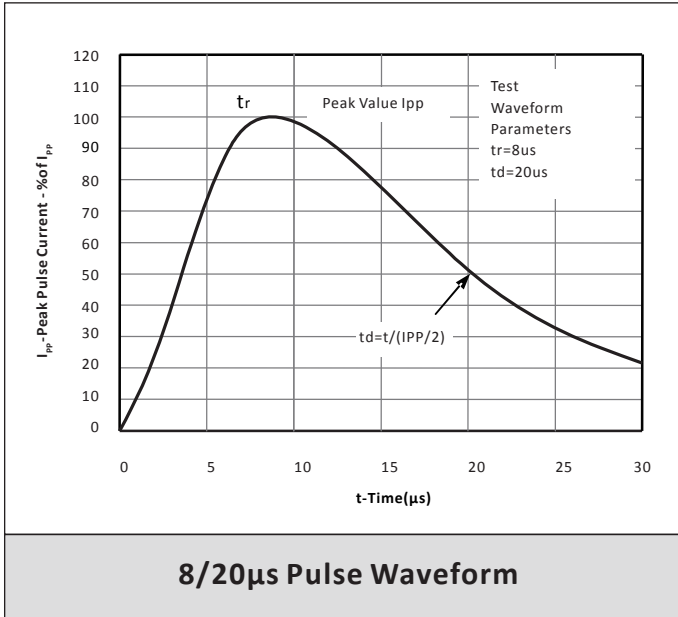
Symbol	Parameter	Value	Unit
P_{PP}	Peak Pulse Power (tp=8/20μs waveform)	100	Watts
T_J	Operating Temperature Range	-55 to +150	°C
T_{STG}	Storage Temperature Range	-55 to +150	°C

5. ELECTRICAL CHARACTERISTICS

Part Number	Device Marking Code	V_{RWM}	V_{BR}	V_{BR}	I_T	V_C		I_R	C_T
		Max.(V)	Min.(V)	Max.(V)	(mA)	Max.(V)	@A	Max.(uA)	Typ.(pF)
SE10F10B12LA	H1	12.0	13.3	16.0	1.0	24.0	4.0	1.0	6.5

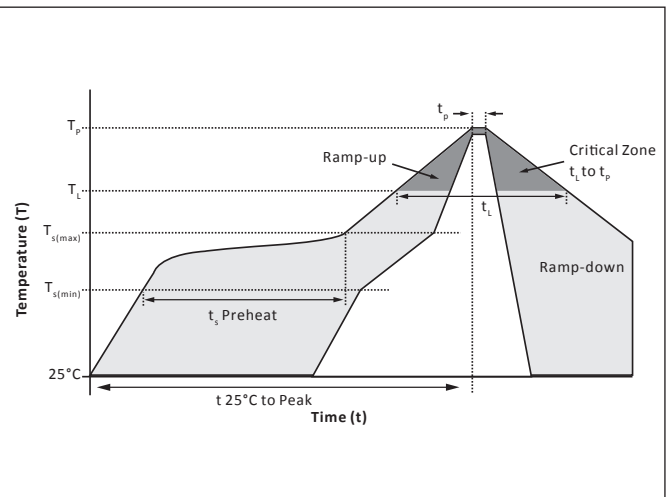


6. CHARACTERISTIC CURVES



7. SOLDERING PARAMETERS

Reflow Condition		Lead-free assembly
Pre Heat	Temperature Max ($T_{s(min)}$)	150°C
	Temperature Max ($T_{s(max)}$)	200°C
	Time (min to max) (t_s)	60 – 180 secs
Average ramp up rate (Liquidus Temp (T_L) to peak)		3°C/second max
$T_{s(max)}$ to T_L - Ramp-up Rate		3°C/second max
Reflow	Temperature (T_L) (Liquidus)	217°C
	Time (min to max) (t_r)	60 – 150 seconds
Peak Temperature (T_p)		260°C
Time within 5°C of actual peak Temperature (t_p)		20 – 40 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature (T_p)		8 minutes max.
Do not exceed		260°C



8. DFN1006 PACKAGE INFORMATION

DIM	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	0.40	0.55	0.016	0.022
A1	0	0.05	0	0.002
b	0.40	0.55	0.016	0.022
c	0.12	0.18	0.005	0.007
D	0.95	1.05	0.037	0.041
e	0.65BSC		0.026BSC	
E	0.55	0.65	0.022	0.026
L	0.15	0.35	0.006	0.014
L1	0.05REF		0.002REF	
h	0.07	0.17	0.003	0.007

9. RECOMMENDED PAD LAYOUT DIMENSIONS

DIM	Millimeters	Inches
A	1.20	0.047
B	0.47	0.019
C	0.60	0.024

10. ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
SE10F10B12LA	DFN1006	10000PCS	7"



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