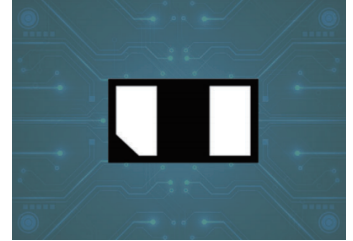


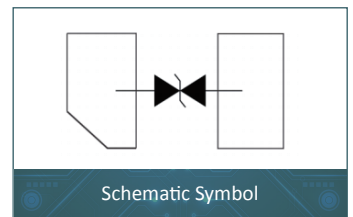
## 1. FEATURES

- 150W Peak Pulse Power per Line (tp=8/20μs)
- Protects One bidirectional I/O line
- Working voltages :7.0V
- 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
- Projection TV



## 3. IEC COMPATIBILITY

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

## 4. THERMAL CONSIDERATIONS

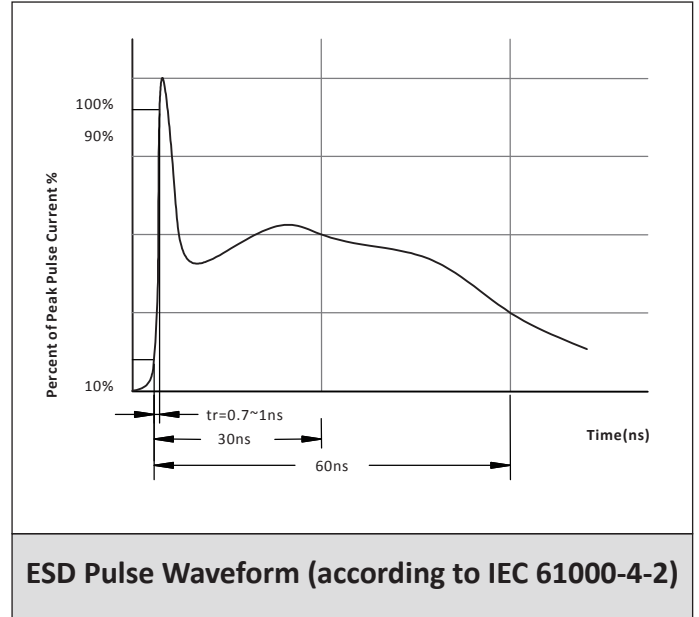
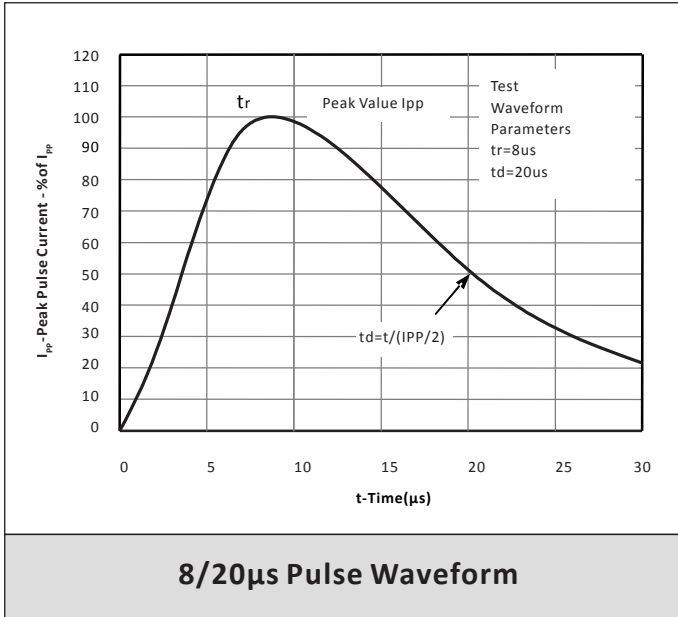
Symbol	Parameter	Value	Unit
$P_{PP}$	Peak Pulse Power (tp=8/20μs waveform)	150	Watts
$T_J$	Operating Temperature Range	-55 to +150	°C
$T_{STG}$	Storage Temperature Range	-55 to +150	°C

## 5. ELECTRICAL CHARACTERISTICS

Part Number	Device Marking Code	$V_{RWM}$	$V_{BR}$	$I_T$	$V_C@1A$	$V_C$		$I_R$	$C_T$
		Max.(V)	Min.(V)	(mA)	Max.(V)	Max.(V)	@A	Max.(uA)	Typ.(pF)
SE10F10B7.0A	HOC or T2	7.0	7.5	1.0	12.0	19.0	8.0	1.0	25.0

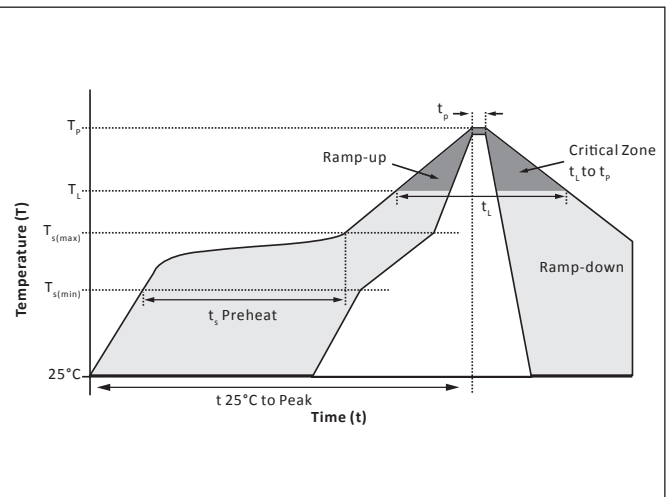


## 6. CHARACTERISTIC CURVES



## 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
SE10F10B7.0A	DFN1006	10000PCS	7"



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