

FEATURES

- Protects one I/O or power line
- Low Leakage Current
- ResponseTime isTypically<1ns
- Working Voltages: 3.3V, 5V, 8V, 12V, 15V,18V and 24V

MECHANICAL DATA

- Case : Molded plastic,DFN1006-2L
- Polarity : Shown follows
- Terminals :Plated terminals, solderable per MIL-STD-750,Method 2026
- Epoxy : UL94-V0 rated flame retardant

APPLICATIONS

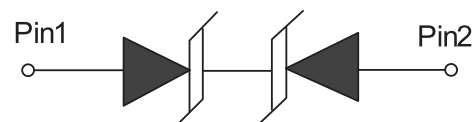
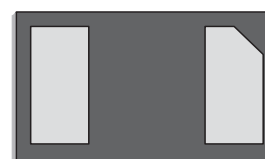
- Personal DigitalAssistants(PDAs)
- Cellular Handsets &Accessories
- Portable Instrumentation
- Notebooks & Handhelds
- Digital Cameras
- MP3 Players

IEC COMPATIBILITY

- IEC 61000-4-2(ESD) ±20KV(air), ±15KV(Contact)
- 61000-4-4(EFT) : 40A(5/50ns)

DFN1006-2L	PACKAGE
Part No.	Marking
SESD3.3DCFBW	D3
SESD05DCFBW	D5
SESD08DCFBW	D8
SESD12DCFBW	DD
SESD15DCFBW	DE
SESD18DCFBW	DF
SESD24DCFBW	DH

SCHEMATIC & PIN CONFIGURATION



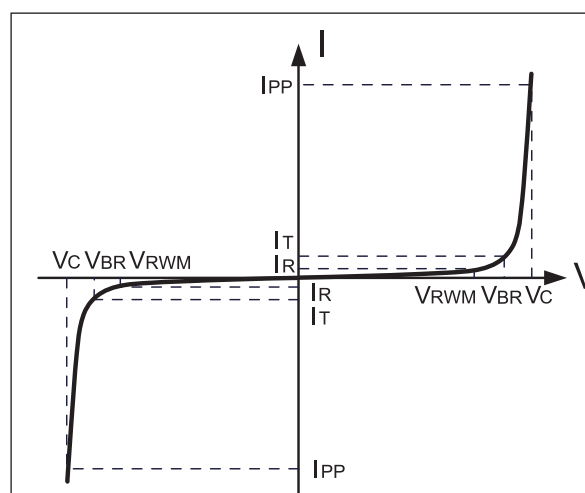


Absolute Maximum Rating

Rating	Symbol	Value	Units
Peak Pulse Power ($t_p = 8/20\mu s$)	P_{PP}	200	Watts
Operating Temperature	T_J	-55 to + 125	°C
Storage Temperature	T_{STG}	-55 to +150	°C

Electrical Parameters($T=25^\circ C$)

Symbol	Parameter
I_{PP}	Reverse Peak Pulse Current
V_C	Clamping Voltage @ I_{PP}
V_{RWM}	Reverse Stand-Off Voltage
I_R	Reverse Leakage Current @ V_{RWM}
V_{BR}	Breakdown Voltage @ I_T
I_T	Test Current



Electrical Characteristics

Part Number	Reverse Stand off Voltage V_{RWM} (Volts)	Minimum Breakdown Voltage $V_{BR}@1mA$ (Volts)	Maximum Peak Pulse Current I_{pp} (Amps)	Maximum Clamping Voltage $V_C @ I_{PP}$ (Volts)	Maximum Reverse Leakage $I_R @ V_{RWM}$ (μA)	Typical Capacitance $V_R=0V$ $C_J @ 1 MHz$ (pF)	Marking Code
SESD3.3DCFBW	3.3	3.5	15.0	12.0	0.5	19.0	D3
SESD05DCFBW	5.0	6.0	16.0	15.0	0.5	50.0	D5
SESD08DCFBW	8.0	8.5	10.0	20.0	0.5	40.0	D8
SESD12DCFBW	12.0	13.3	7.0	27.0	0.5	26.0	DD
SESD15DCFBW	15.0	16.7	6.0	32.0	0.5	24.0	DE
SESD18DCFBW	18.0	19.5	5.0	42.0	0.5	20.0	DF
SESD24DCFBW	24.0	26.7	3.0	55.0	0.5	18.0	DH



Typical Characteristics

Figure 1: Peak Pulse Power vs. Pulse Time

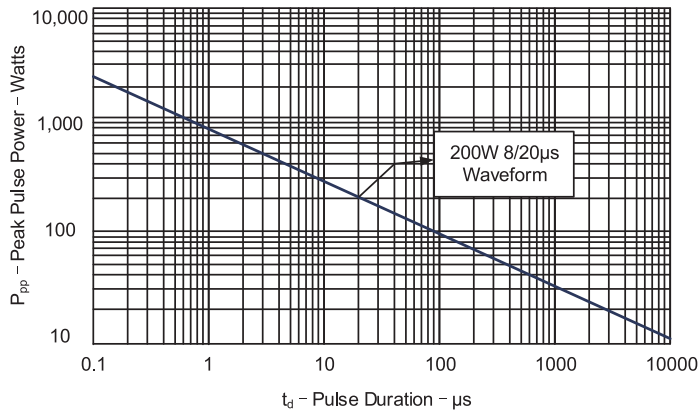


Figure 2: Power Derating Curve

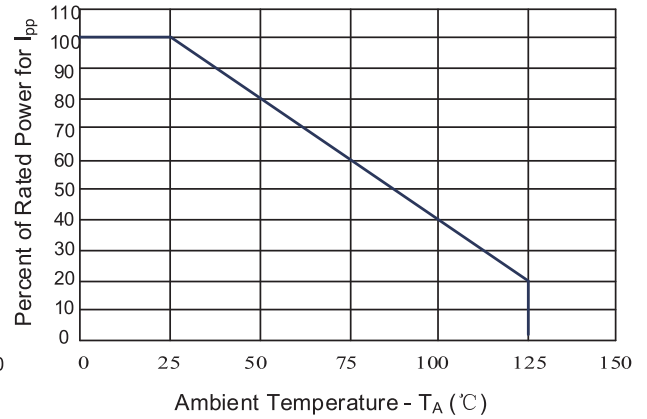
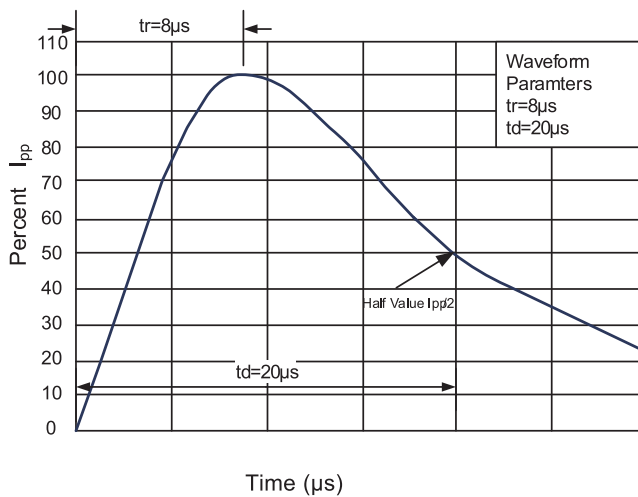


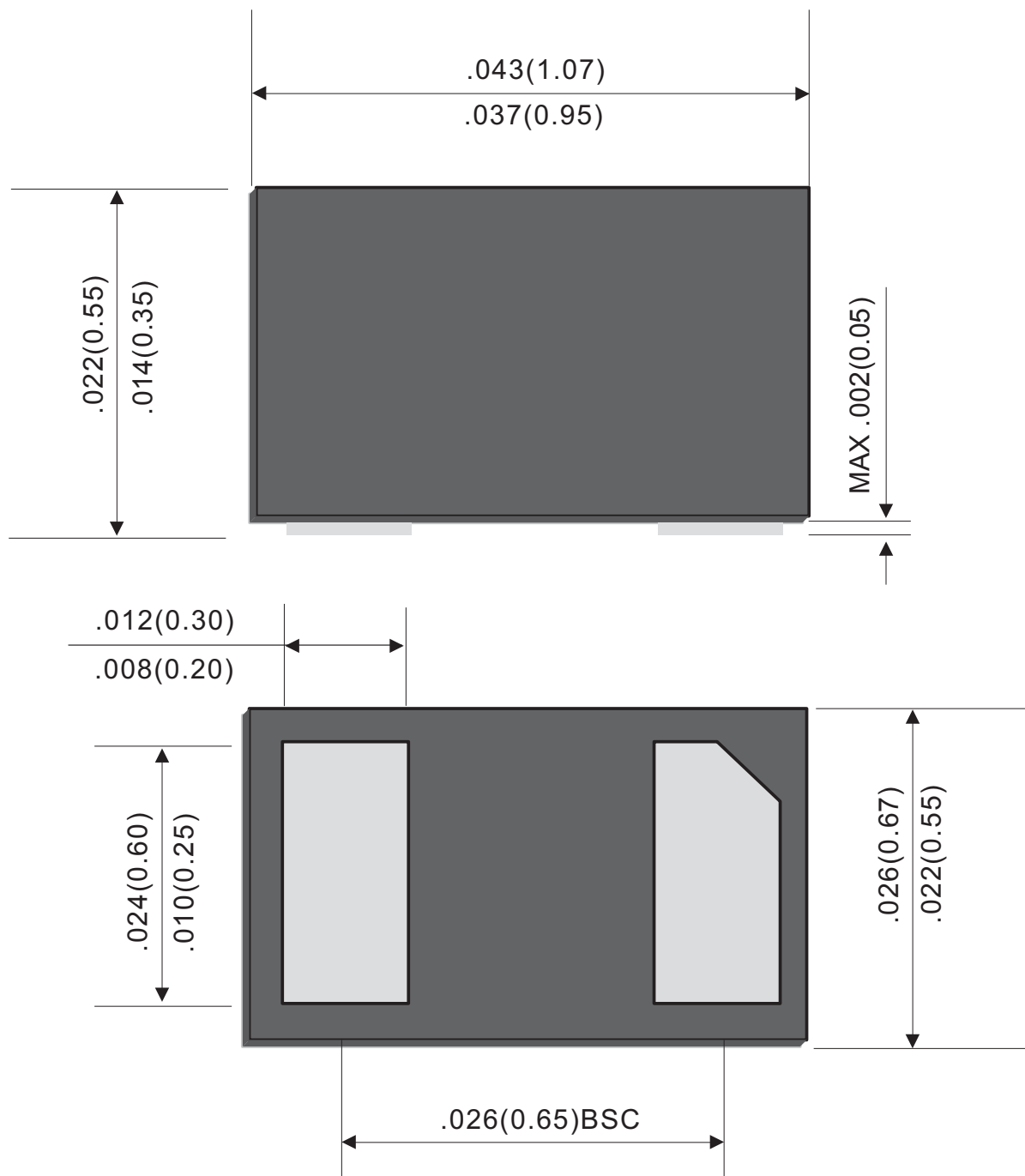
Figure 3: 8/20 μs Pulse Waveform





Outline Drawing

DFN1006-2L



Dimensions in inches and (millimeters)

Rev.B-1

Ordering Information:

Device PN	Packing
Part Number -T ⁽¹⁾ H ⁽²⁾ -WS	Tape&Reel: 10 Kpcs/Reel

Note: (1) Packing code, Tape & Reel Packing

(2) Halogen free product for packing code suffix "H"

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