

SOD-323

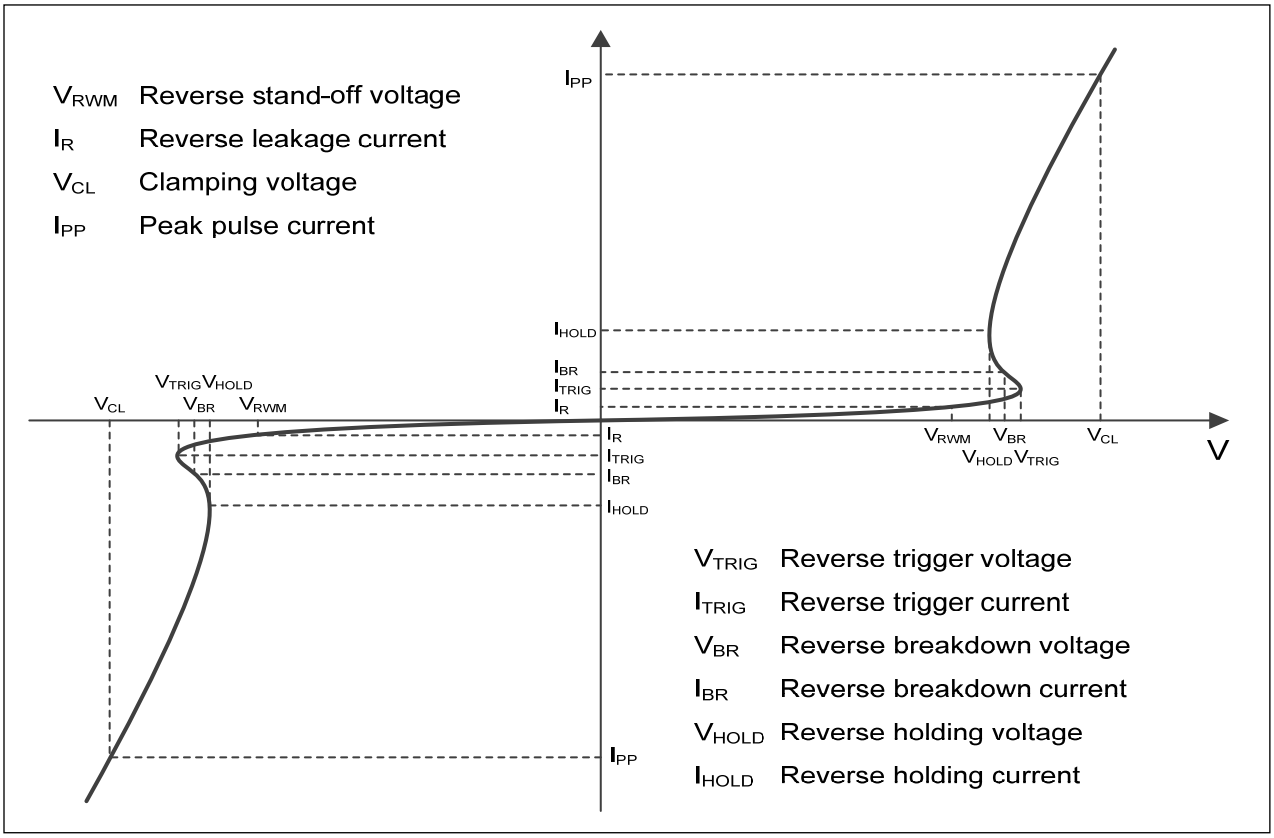
- Stand-off voltage: ±6.2V Max
- Transient protection for each line according to
  IEC61000-4-2(ESD): ±30kV (contact)
  IEC61000-4-5(surge): 24A (8/20μs)
- Low leakage current:
- Ultra low clamping voltage
- RoHS Compliant

- Cellular Handsets and Accessories
- Personal Digital Assistants
- Notebooks and Handhelds
- Portable Instrumentation
- Peripherals
- Pagers Peripherals
- Desktop and Servers

- Package: SOD-323
- Lead Finish: Matte Tin
- Case Material: “Green” Molding Compound
- Moisture Sensitivity: Level 1 per J-STD-020
- Marking Information: See Below



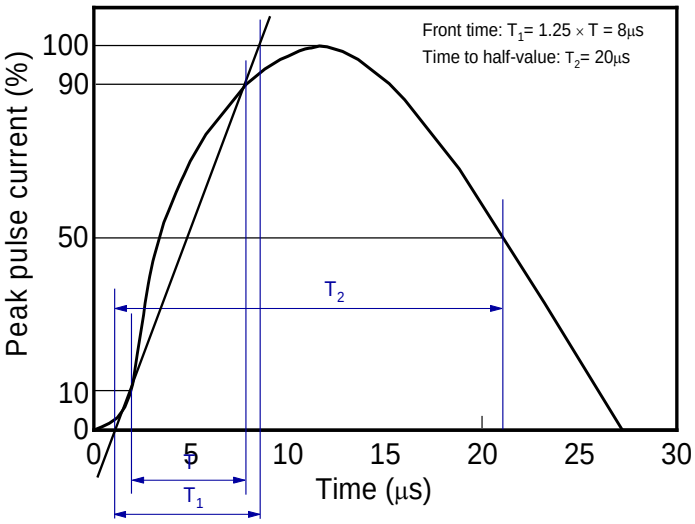
■

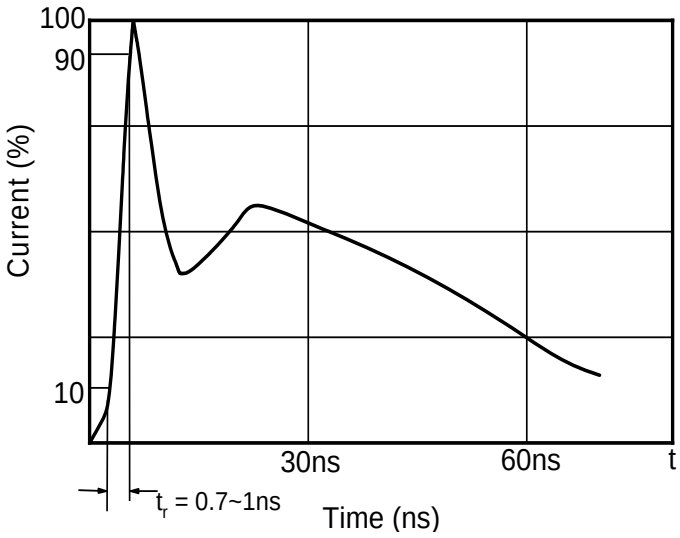


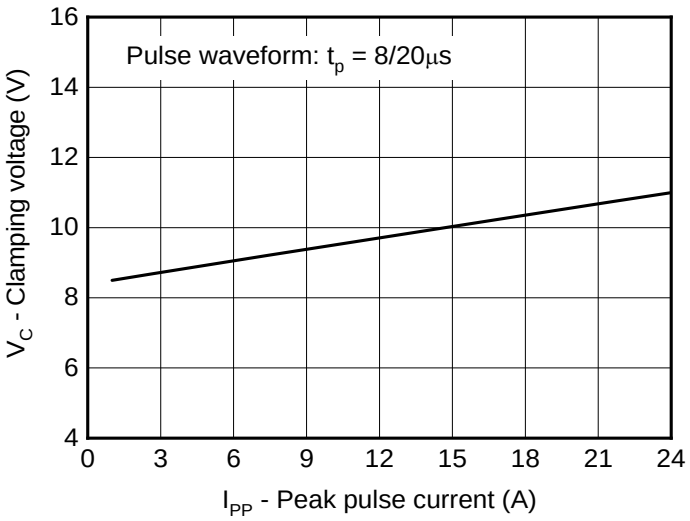
Peak pulse power (t_p = 8/20μs)	P_{pk}	300	W
Peak pulse current (t_p = 8/20μs)	I_{PP}	24	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	±30	KV
ESD according to IEC61000-4-2 contact discharge		±30	
Junction temperature	T_J	125	°C
Operating temperature	T_{OP}	-40~85	°C
Storage temperature			

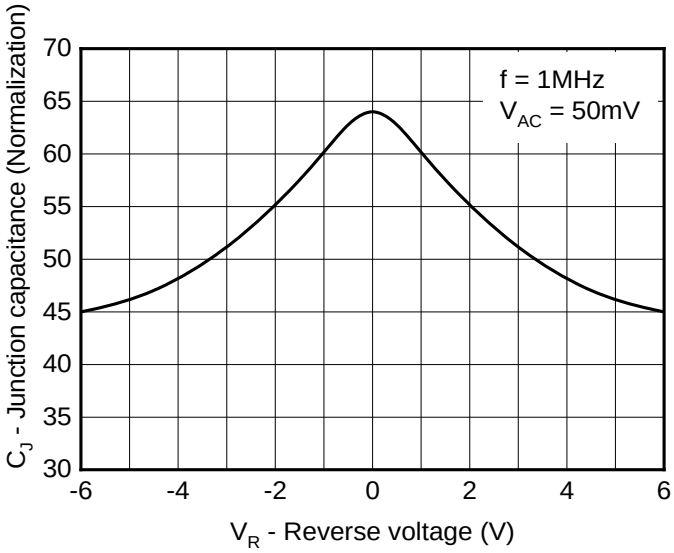
■ T_a=25 Unless otherwise specified

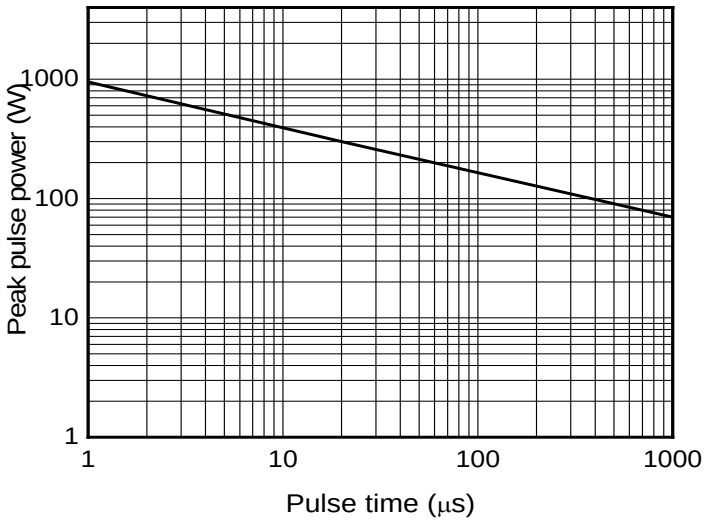
■ (Typical)

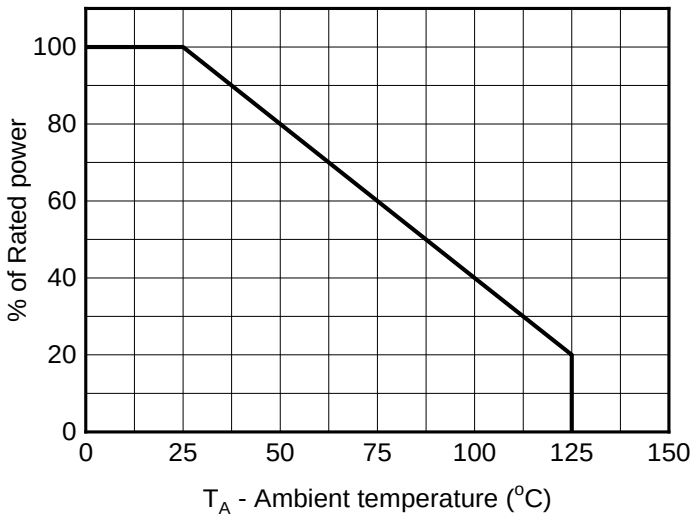

Front time: T_1= 1.25 × T = 8μs
Time to half-value: T_2= 20μs
Peak pulse current (%)
100
90
50
10
0
T_2
T_1
0
5
10
15
20
25
30
Time (μs)


Current (%)
100
90
10
30ns
60ns
t
t_r = 0.7~1ns
Time (ns)

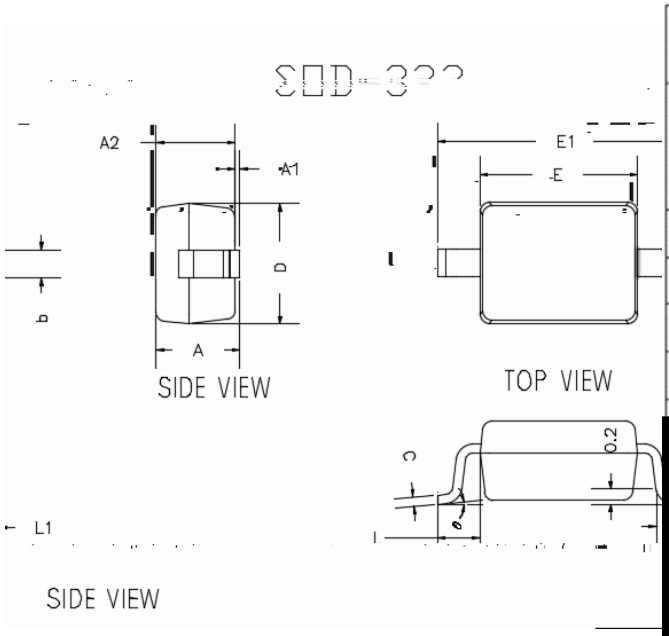

Pulse waveform: t_p = 8/20μs
V_C - Clamping voltage (V)
16
14
12
10
8
6
4
0
3
6
9
12
15
18
21
24
I_{PP} - Peak pulse current (A)


f = 1MHz
V_{AC} = 50mV
C_J - Junction capacitance (Normalization)
70
65
60
55
50
45
40
35
30
-6
-4
-2
0
2
4
6
V_R - Reverse voltage (V)

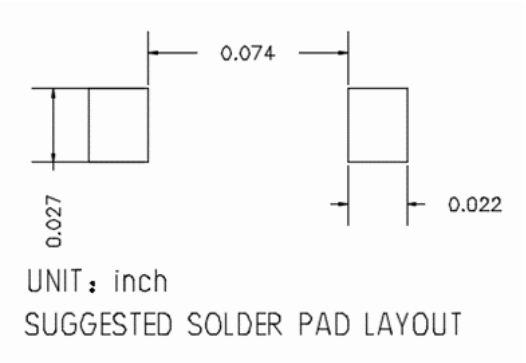

Peak pulse power (W)
1000
100
10
1
1
10
100
1000
Pulse time (μs)


% of Rated power
100
80
60
40
20
0
0
25
50
75
100
125
150
T_A - Ambient temperature (°C)

■



DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MN	MAX
A	---	0.0393	---	1.0000
A1	0.0000	0.0039	0.0000	0.1000
A2	0.0314	0.0354	0.8000	0.9000
b	0.0098	0.0157	0.2500	0.4000



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