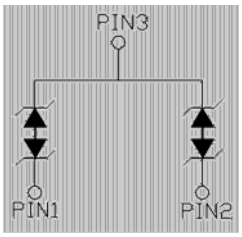
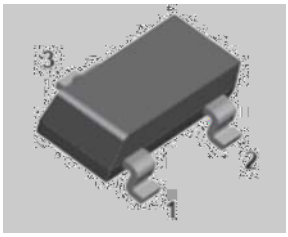


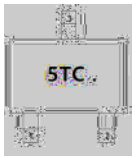


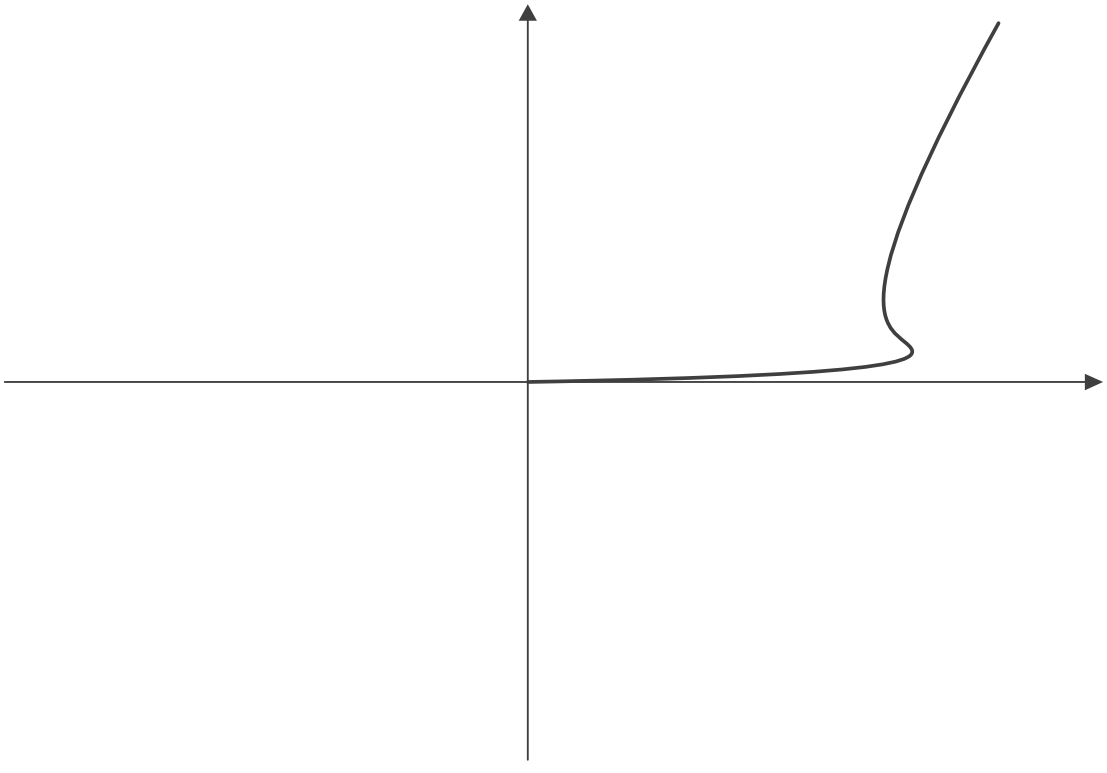
SOT-23

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

- Cellular Handsets and Accessories
- Notebooks and Handhelds
- Personal Digital Assistants
- Portable Instrumentation
- Digital Cameras
- Peripherals
- Audio Players, Keypads, Side Keys, LCD

- Lead Finish: Matte Tin
- Case Material: “Green” Molding Compound
- Moisture Sensitivity: Level 1 per J-STD-020
- Marking Informa _ ` L





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Peak pulse power (t_p = 8/20μs)	P_{pk}	28	W
Peak pulse current (t_p = 8/20μs)	I_{PP}	2	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	±15	KV
ESD according to IEC61000-4-2 contact discharge		±8	
Junction temperature	T_J	-55~125	°C
Storage temperature	T_{STG}	-55~150	°C

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Reverse maximum working voltage	V_{RWM}	V				± 5
Reverse leakage current	I_R	μA	V_{RWM} = 5V Pin1/Pin2 to Pin3			0.5
Reverse breakdown voltage	V_{BR}	V	I_T = 1mA Pin1/Pin2 to Pin3	5.5		9.5
Clamping voltage *1)*	V_{CL}	V	I_{PP} = 1A, t_p = 8/20μs Pin1/Pin2 to Pin3			11
		V	I_{PP} = 2A, t_p = 8/20μs Pin1/Pin2 to Pin3			14

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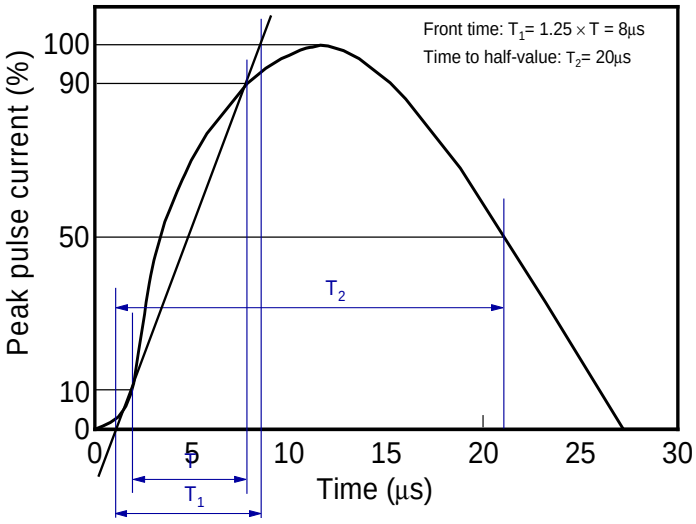
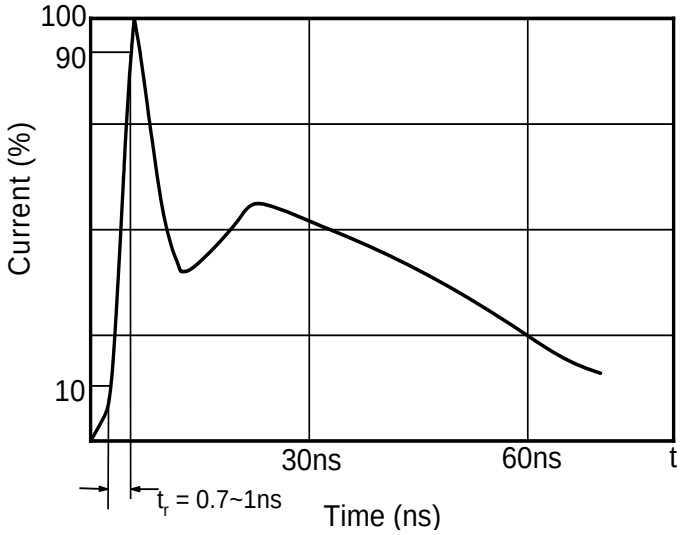
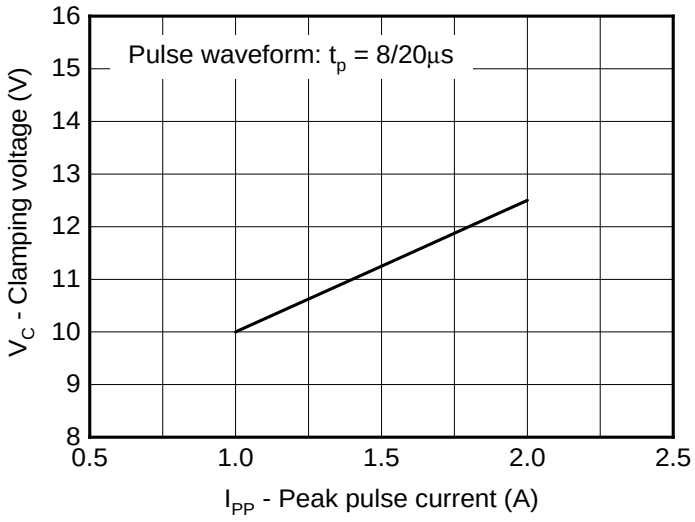
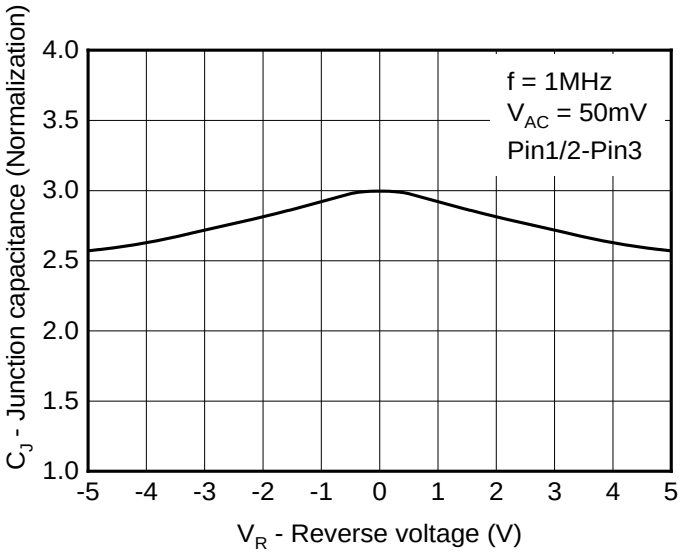
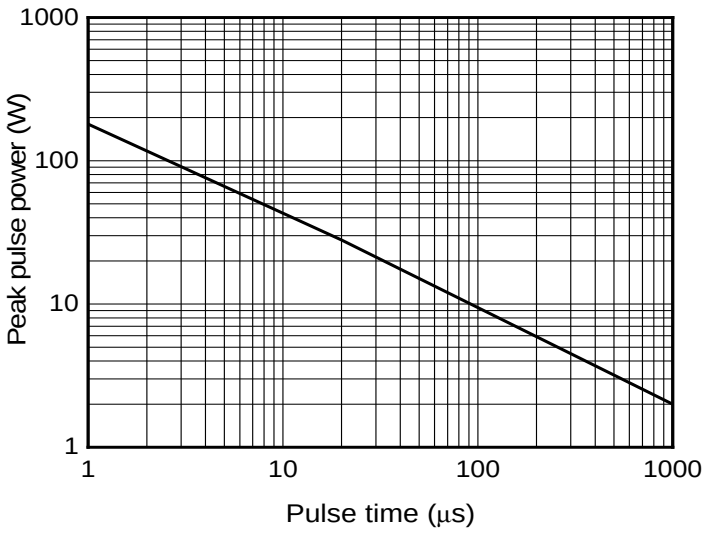
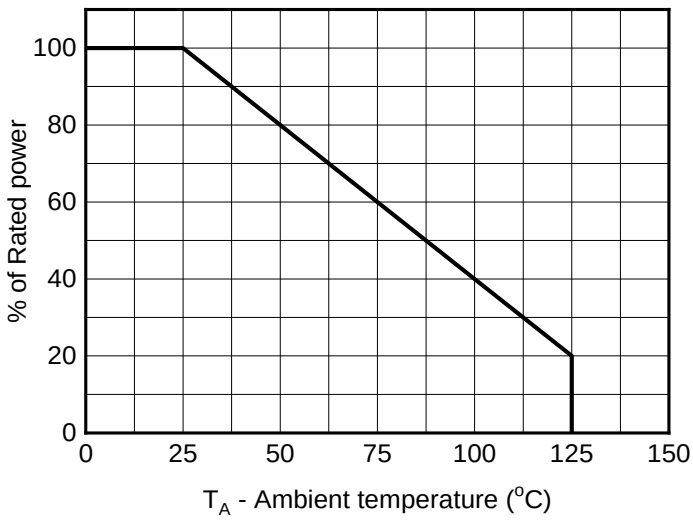

Front time: T_1= 1.25 × T = 8μs
Time to half-value: T_2= 20μs
Peak pulse current (%)
100
90
50
10
0
0
5
10
15
20
25
30
Time (μs)
T_2
T
T_1


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
15
14
13
12
11
10
9
8
0.5
1.0
1.5
2.0
2.5
I_{PP} - Peak pulse current (A)


f = 1MHz
V_{AC} = 50mV
Pin1/2-Pin3
C_J - Junction capacitance (Normalization)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
-5
-4
-3
-2
-1
0
1
2
3
4
5
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)

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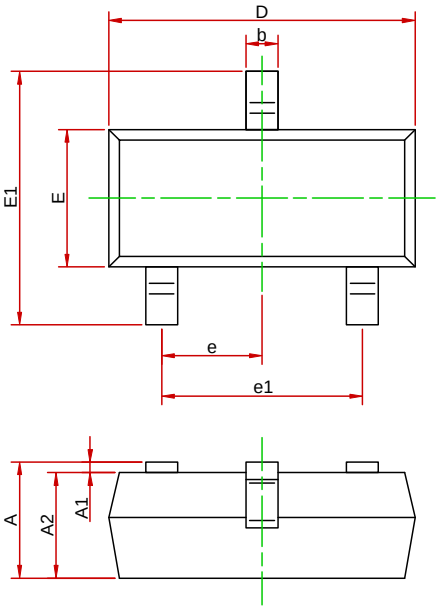
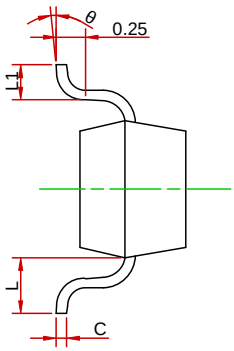
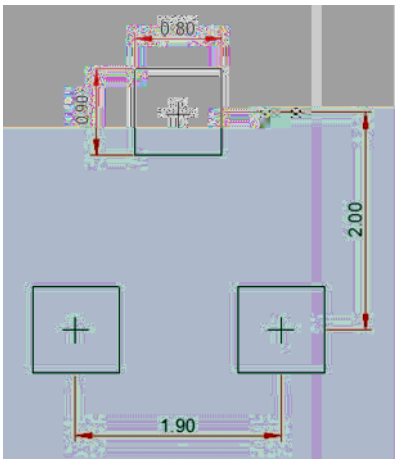




Symbol	Dimensions in millimeters		
	Min.	Typ.	Max.
!	л◊флл	π	м◊мрл
!м	л◊ллл	π	л◊млл
!н	л◊флл	π	м◊лрл
ō	л◊олл	π	л◊рлл
Ŏ	л◊млл	π	л◊нлл
5	н◊улл	π	о◊ллл
9	м◊нлл	π	м◊плл
9м	н◊нрл	π	н◊ррл
Ŝ	л◊фрл¢¸t		
Ŝм	м◊улл	π	н◊ллл
[	л◊ррлw9С		
[м	л◊олл	π	л◊рлл
‘	лс	π	ус



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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with