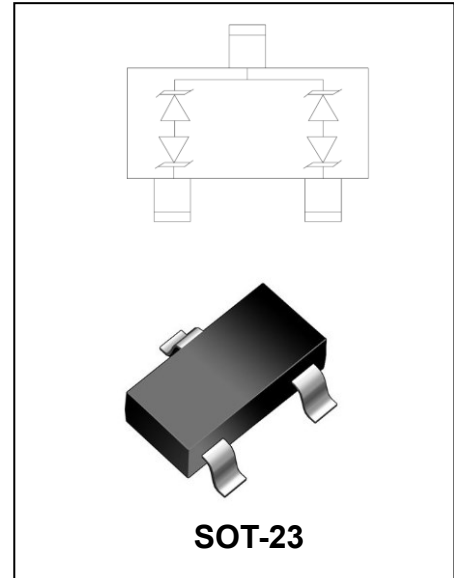


Features

- ◆ 150 Watts peak pulse power ($t_p = 8/20\mu s$)
- ◆ Transient protection for high speed data lines to IEC 61000-4-2 (ESD) $\pm 15kV$ (air), $\pm 8kV$ (contact)
IEC 61000-4-4 (EFT) 40A (5/50ns)
- ◆ Working voltages : 5V
- ◆ Protects two bidirectional line
- ◆ Low operating and clamping voltages
- ◆ Solid-state silicon avalanche technology



Applications

- ◆ Notebooks, Desktops, Servers and Video Graphics Cards
- ◆ USB Power & Data Line Protection
- ◆ Monitors and Flat Panel Displays
- ◆ I²C Bus Protection
- ◆ Portable Instrumentation
- ◆ Set Top Box

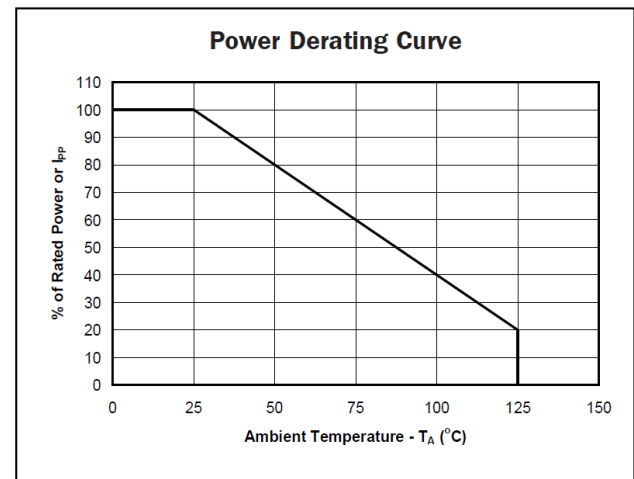
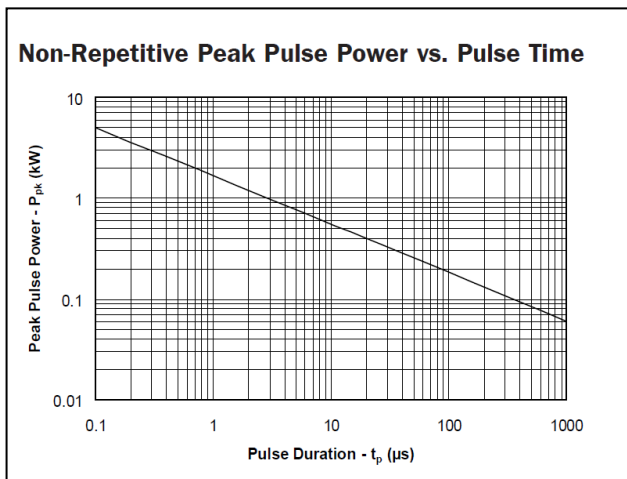
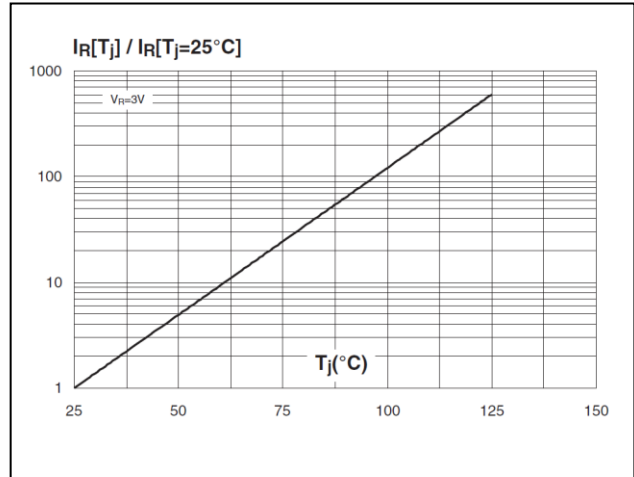
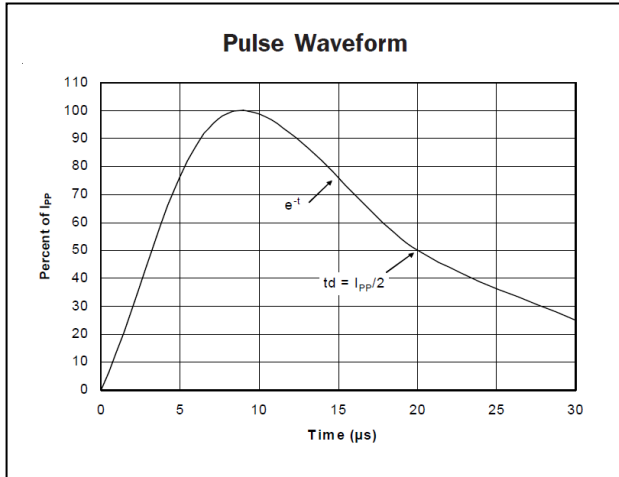
Maximum Rating @ $T_a = 25^\circ C$ unless otherwise specified

Symbol	Parameter	Ratings	Units
P_{PK}	Peak Pulse Power ($t_p = 8/20\mu s$)	150	Watts
T_L	Lead Soldering Temperature	260(10sec.)	$^\circ C$
T_J	Operating Temperature	-55 to +125	$^\circ C$
T_{STG}	Storage Temperature	-55 to +150	$^\circ C$

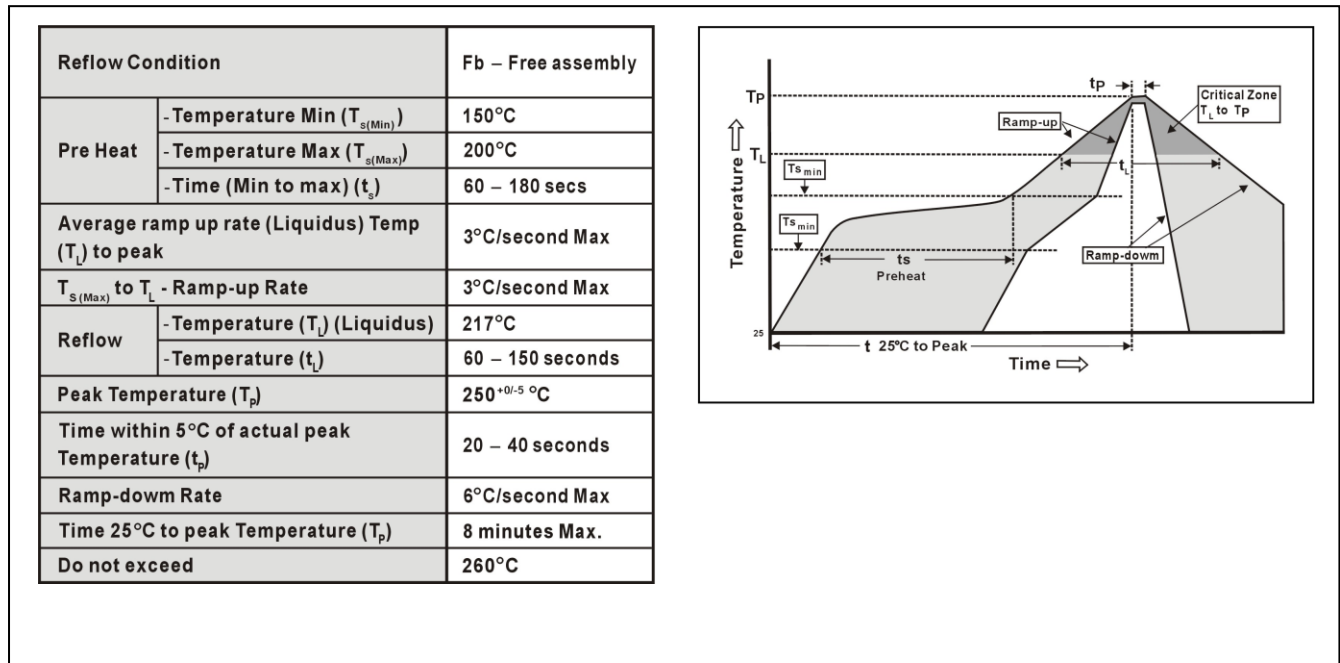
Electrical Characteristics@ Ta=25°C unless otherwise

Part Number	Marking	V _{DRM}	I _{DRM}	V _{BR}	I _R	V _c	I _{pp}	V _c	I _{pp}	C _O
		V	μA	V	mA	V	A	V	A	pF
			MAX	MIN		MAX		MAX		MAX
SOT05CC		5	1	5.5	1	9.8	1	15	16	50

Typical Characteristics@ Ta=25°C unless otherwise specified



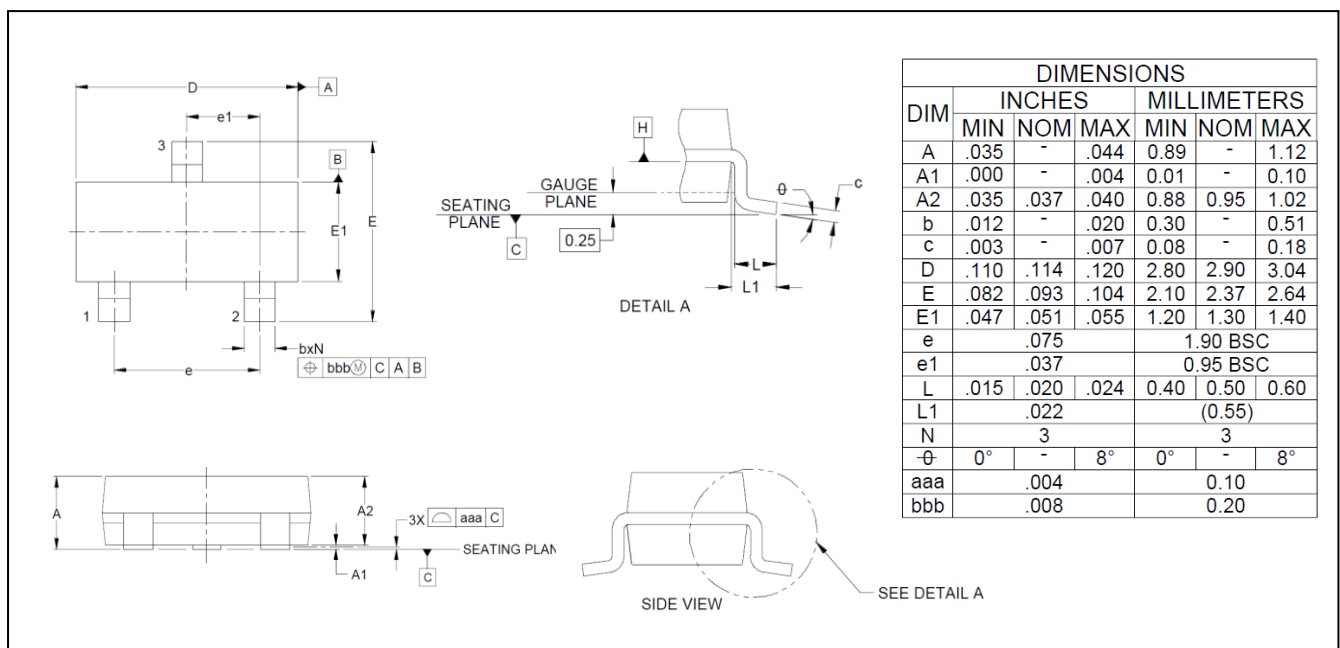
Soldering Parameters



Package Outline

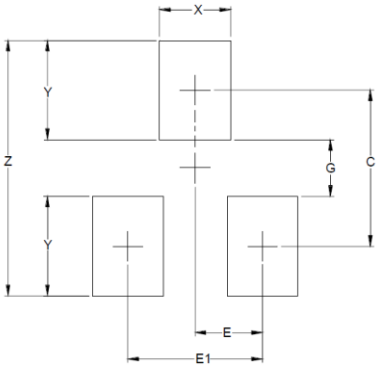
Plastic surface mounted package

SOT-23



Soldering Footprint

DIMENSIONS		
DIM	INCHES	MILLIMETERS
C	(.087)	(2.20)
E	.037	0.95
E1	.075	1.90
G	.031	0.80
X	.039	1.00
Y	.055	1.40
Z	.141	3.60



Package And Marking Information

Device	Package	Shipping	Reel Size
SOT05CC	SOT-23	3000/Reel	7 inch