

APPLICATIONS

- >Cell Phone Handsets and Accessories
- >Cordless Phones
- >Personal Digital Assistants (PDA's)
- >Notebooks, Desktops, and Servers
- >Portable Instrumentation
- >Peripherals
- >MP3 Players

FEATURES

- > 100 Watts Peak Pulse Power per Line(tp=8/20us)
- > Protects Four Uidirectional I/O Lines
- > Low clamping voltage
- > Working voltage:5.0V
- > Low leakage current

IEC COMPATIBILITY

- > IEC 61000-4-2 (ESD) immunity test
 - Air discharge: ±30kV
 - Contact discharge: ±30kV
- > IEC61000-4-4 (EFT) 40A (5/50ns)
- > IEC61000-4-5 (Lightning) 3.0A (8/20μs)

MECHANICAL CHARACTERISTICS

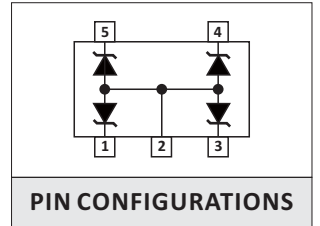
- >SOT-353 package
- >Quantity Per Reel : 3,000pcs
- >Reel Size : 7 inch
- >Lead Finish : Lead Free

TYPICAL DEVICE CHARACTERISTICS

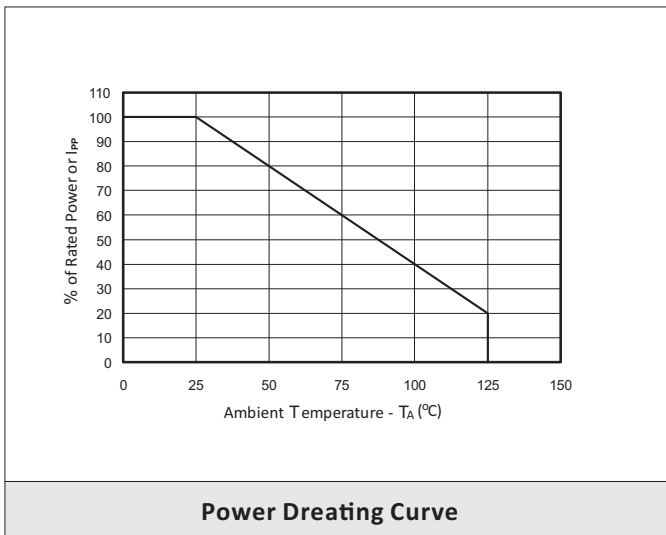
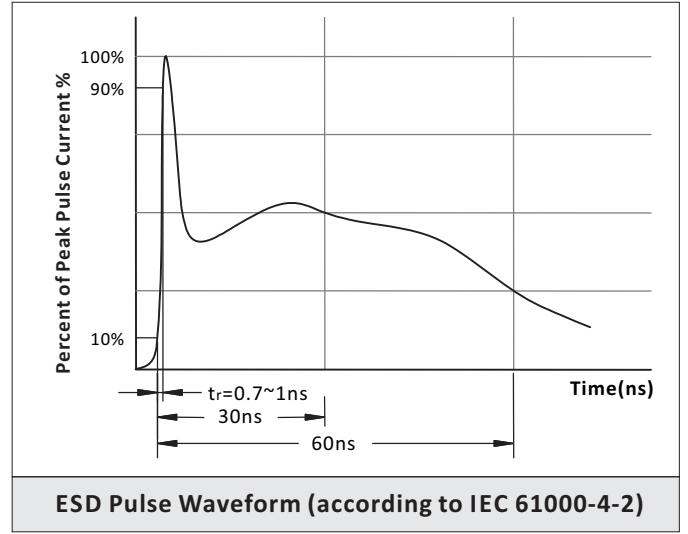
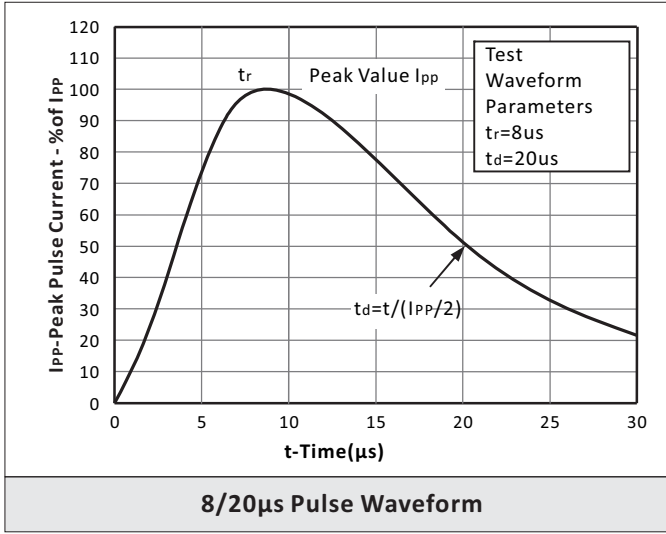
MAXIMUM RATINGS @ 25°C UNLESS OTHERWISE SPECIFIED			
PARAMETER	SYMBOL	VALUE	UNIT
Peak Pulse Power (tp=8/20μs waveform)	P _{PP}	100	Watts
Operating Temperature Range	T _J	-55~125	°C
Storage Temperature Range	T _{STG}	-55~150	°C

ELECTRICAL CHARACTERISTICS

PART NUMBER	DEVICE MARKING	V _{RWM} (V) Max.	V _B (V) Min.	I _T (mA)	V _C @1A Max.	V _C		I _R (uA) Max.	C _T (pF) Typ.
						Max.	@A		
SE53T10U5.0D	WE	5.0	6.0	1	9.8	18.5	3.0	2	30

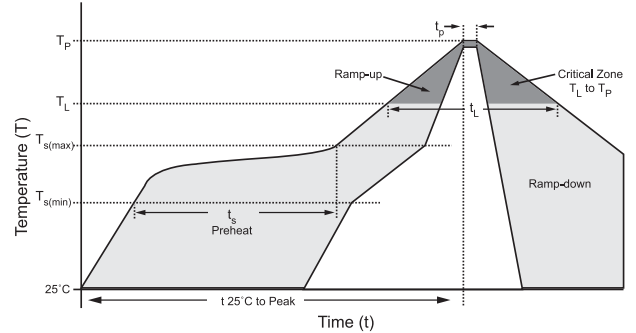


CHARACTERISTIC CURVES



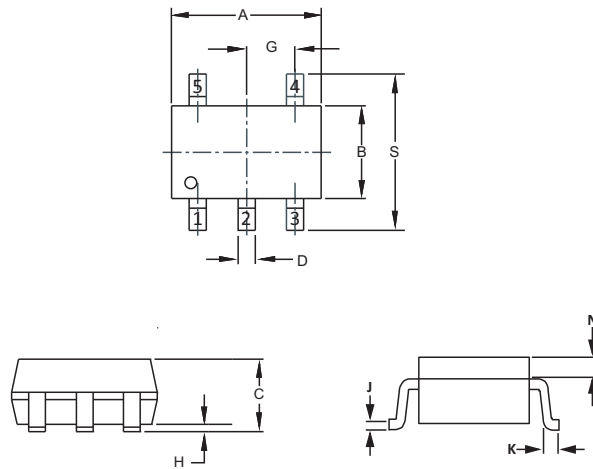
REFLOW PROFILE

Reflow Condition		Lead-free assembly
Pre Heat	Temperature Min (Ts(min))	150°C
	Temperature Max (Ts(max))	200°C
	Time (min to max) (ts)	60 – 180 secs
Average ramp up rate (Liquidus Temp (TL) to peak)		3°C/second max
Ts(max)to TL - Ramp-up Rate		3°C/second max
Reflow	Temperature (TL) (Liquidus)	217°C
	Time (min to max) (tl)	60 – 150 seconds
Peak Temperature (Tp)		260°C
Time within 5°C of actual peak Temperature (tp)		20 – 40 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature (Tp)		8 minutes Max.
Do not exceed		260°C



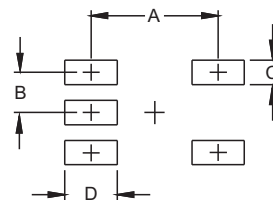
SOT-353 Package Outline Drawing

OUTLINEDIMENSIONS				
DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	1.80	2.20	0.071	0.087
B	1.15	1.35	0.045	0.053
C	0.80	1.10	0.031	0.043
D	0.10	0.30	0.004	0.012
G	0.65BSC		0.26BSC	
H	---	0.10	---	0.004
J	0.10	0.25	0.004	0.010
K	0.10	0.30	0.004	0.012
N	0.20REF		0.008REF	
S	2.0	2.2	0.079	0.087



RECOMMENDED PAD LAYOUT DIMENSION

PAD LAYOUT DIMENSIONS		
DIM	MILLIMETERS	INCHES
	NOR	NOR
A	1.90	0.0748
B	0.65	0.025
C	0.40	0.0157
D	0.50	0.0197



ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
SE53T10U5.0D	SOT-353	3000PCS	7"

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