1 Characteristics

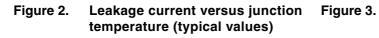
Table 1.	Absolute	maximum	ratings	(T _{amb} = 25°C)
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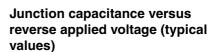
Symbol	Parameter	Value	Unit
I _{PP}	Peak pulse current (8/20 µs)	30	А
Тj	Operating junction temperature range	-40 to 125	°C
T _{stg}	Storage temperature range	-55 to +150	°C
TL	Maximum lead temperature for soldering during 10 s	260	°C

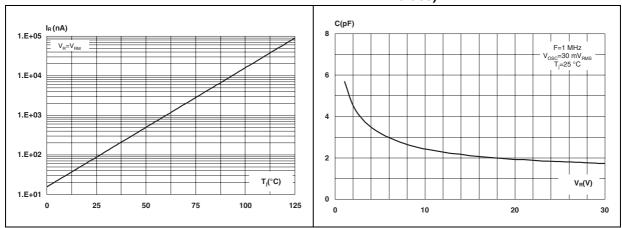
Table 2. Electrical characteristics ($T_{amb} = 25 \ ^{\circ}C$)

	I _{RM} @	₽ V _{RM}	V _F @ I _F		C ⁽¹⁾
Order code	max.		max.		max.
	μA	V	V	mA	pF
DDSL01-030SL	0.5	30	0.6	50	7

1. Test conditions: V_R = 2 V bias, V_{RMS} = 30 mV, F = 1 MHz









2 Ordering information scheme

Figure 4.	Ordering	information	scheme
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Stand-off voltage			
030 = 30V			
Configuration			
Package			
L = SOT23-3L			



3 Package information

- Epoxy meets UL94, V0
- Lead-free packages

In order to meet environmental requirements, ST offers these devices in different grades of ECOPACK[®] packages, depending on their level of environmental compliance. ECOPACK[®] specifications, grade definitions and product status are available at: <u>www.st.com</u>. ECOPACK[®] is an ST trademark.

Table 3. SOT23-3L dimensions

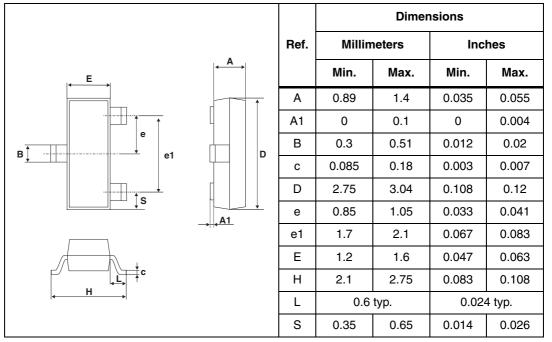
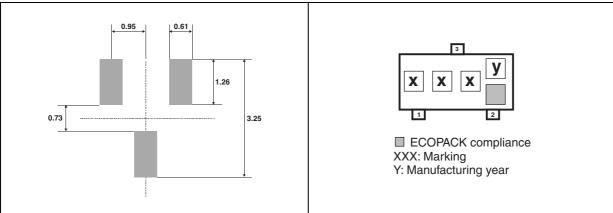


Figure 5. Footprint (dimensions in mm) Figure 6. Marking





4 Ordering information

Table 4. Ordering information

Order code	Marking	Package	Weight	Base qty	Delivery mode
DDSL01-030SL	DD1	SOT23-3L	0.01 g	3000	Tape and reel

5 Revision history

Table 5.Document revision history

Date	Revision	Changes
15-Apr-2010	1	First issue.



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