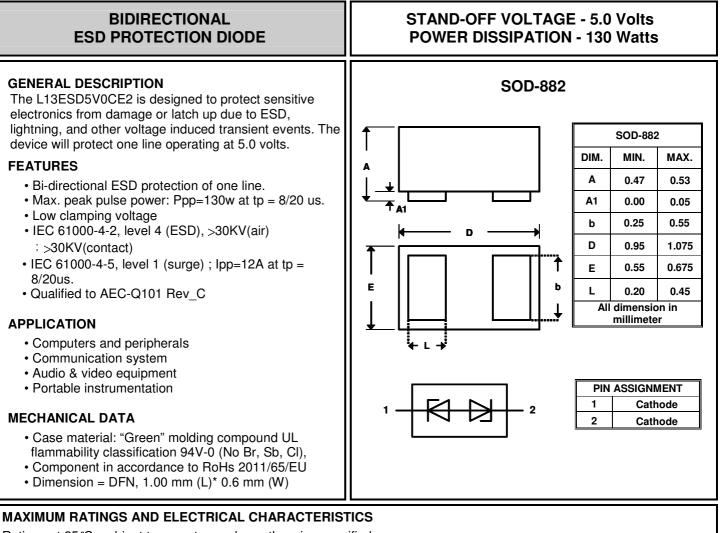
## LITEON SEMICONDUCTOR

# L13ESD5V0CE2



Ratings at 25 °C ambient temperature unless otherwise specified.

#### **ABSOLUTE RATINGS**

PARAMETER	SYMBOL	VALUE	UNIT
Peak pulse power (8/20us waveform)	Р <sub>РРМ</sub>	130	W
Peak pulse current (8/20us waveform)	I <sub>pp</sub>	12	А
Operating junction temperature range	TJ	-55 to +150	°C
Storage temperature range	T <sub>STG</sub>	-55 to +150	°C
Soldering temperature, t max = 10s	T∟	260	°C

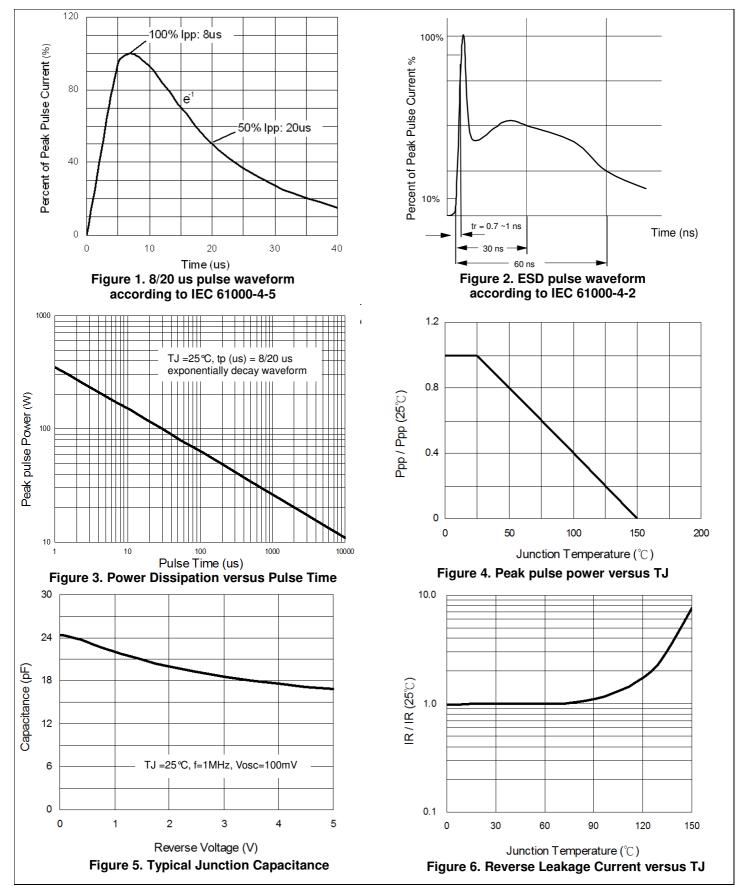
#### **ELECTRICAL CHARACTERISTICS**

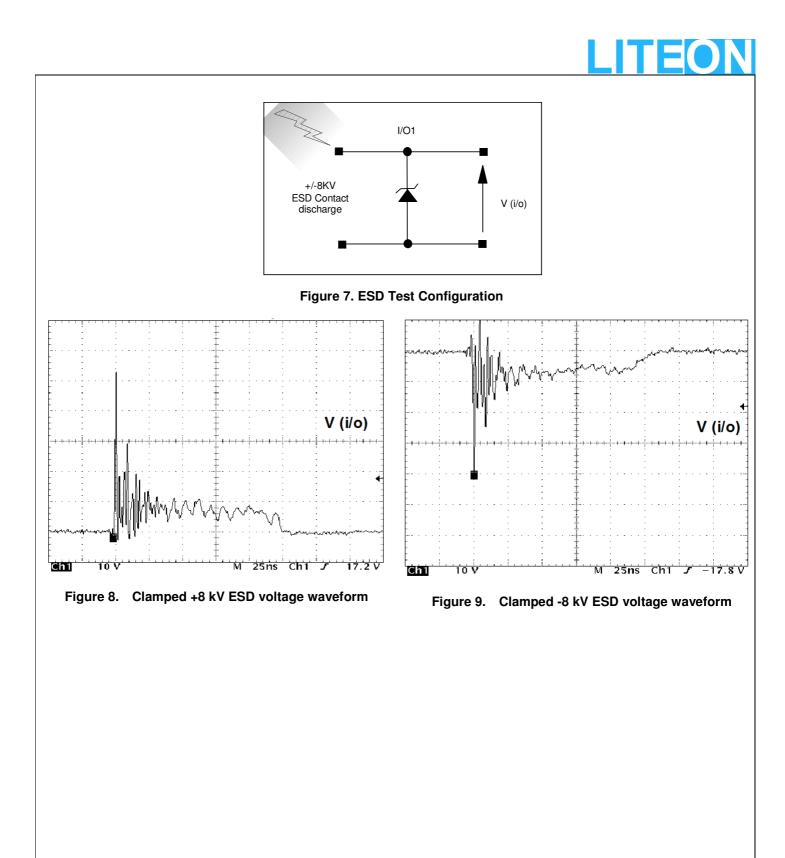
PARAMETER	TEST CONDITIONS	SYMBOL	MIN	MAX	UNIT
Reverse standoff voltage		V <sub>DRM</sub>		5.0	V
Reverse leakage current	V <sub>DRM</sub> = 5V	I <sub>RM</sub>		100	nA
Breakdown voltage	I <sub>R</sub> = 1 mA	V <sub>BR</sub>	5.5	9.5	V
Junction capacitance (each I/O pin and ground)	$V_R = 0V$ , f = 1MHz,	CJ		45	pF
Clamping voltage	I <sub>PP</sub> = 1A (8/20 us)	V <sub>CL</sub>		10	V
	I <sub>PP</sub> = 12A (8/20 us)			14	v

REV. 10, FBE.-2016, KSIR09

# RATING AND CHARACTERISTIC CURVES L13ESD5V0CE2



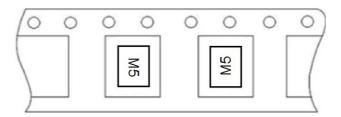




# MARKING AND PACKAGING INFORMATION L13ESD5V0CE2



### Marking and Orientation :

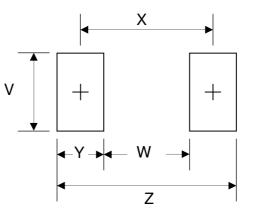


Note: Marking is none direction

## Packaging Information :

DEVICE	Q'TY/REEL	REEL DIA.	Q'TY/BOX	Q'TY/CARTON
	(PCS)	(INCH)	(PCS)	(PCS)
L13ESD5V0CE2	10K	7	150K	300K

## SOD-882 Soldering Pad Layout :



Dim.	Millimeters	Inches
Z	1.30	0.051
Х	0.75	0.029
W	0.20	0.007
Y	0.55	0.021
V	0.80	0.031

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