# EON LITE-ON SEMICONDUCTORS

# **LEFH1701TC-6**



MAXIMUM RATINGS (Tj=25oC, unless otherwise specified)

Rating	Symbol	Value	Unit
ESD per IEC 61000-4-2 (Air)	VESD	+/- 25	kV
ESD per IEC 61000-4-2 (Contact)	VESD	+/- 20	kV
Operating Junction Temperature Range	TJ	-40 to + 85	°C
Storage Temperature Range	Tstg	-55 to + 150	°C
Soldering Temperature, t max = 10s	TL	260	°C

#### ELECTRICAL CHARACTERISTICS (Tj= 25°C unless otherwise noticed)

Parameter	Symbol	Condition	Min	Тур	Max	Unit
Reverse standoff voltage	VRWM				5.0	V
Breakdown voltage	VBR	IR = 1 mA	5.6	6.8	9.0	V
Reverse leakage current	IRM	VDRM = 3.3V		0.02	1.0	uA
Junction capacitance	CJ	VR = 2.5V , f = 1MHz, Any I/O to GND	18.8	23.5	28.2	pF
Roll-off Frequency at -6dB	fc	Note1		400		MHz
<b>Note:</b> It is guaranteed by design and characterization.			Rev. 0. Oct-2010. KSIR40			

ileeu by desigi

#### **RATING AND CHARACTERISTIC CURVES** LEFH1701TC-6

Capacitance (pF)

Percent of Peak Pulse Current (%)





M 50ns Ch1 10 V -2.8 V Figure 6. Clamped -8 kV ESD voltage waveform

## RATING AND CHARACTERISTIC CURVES LEFH1701TC-6



LITEON



### **Marking & Orientation**



### **Packaging Information**

DEVICE	Q'TY/REEL	REEL DIA.	Q'TY/BOX	Q'TY/CARTON
	(PCS)	(INCH)	(PCS)	(PCS)
LEFH1701TC-6	3000	7	45000	90K/180K

### SLP2513P12 Soldering Pad Layout



Dim.	Millimeters	Inches
С	(1.27)	(0.050)
G	0.69	0.027
Н	0.30	0.012
K	2.20	0.087
Р	0.40	0.016
Х	0.20	0.008
Y	0.58	0.023
Ζ	1.85	0.073



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