# LITE ON SEMICONDUCTOR

# L25L5V0CB2



Rating	Symbol	Value	Unit
Peak Pulse Power (tp = 8/20us)	Ppk	250	W
Peak Pulse Current (tp = 8/20us)	lpp	17	А
Operating Junction Temperature Range	TJ	-55 to + 125	°C
Storage Temperature Range	Tstg	-55 to + 150	°C
Soldering Temperature, t max = 10s	T∟	260	°C

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse standoff voltage	V <sub>RWM</sub>				5.0	V
Breakdown voltage	VBR	IR = 1 mA	6.0		8.0	V
Reverse leakage current	IRM	$V_{DRM} = 5V$			5	uA
Clamping Voltage	Vc	I <sub>PP</sub> = 1A, tp = 8/20μs			9.8	V
Clamping Voltage	Vc	I <sub>PP</sub> = 17A, tp = 8/20µs			15	V
Junction capacitance	CJ	$V_R = 0V, f = 1MHz$		2.0	3.5	pF
				REV. 2, /	Apr-2015, I	KSIR74

# RATING AND CHARACTERISTIC CURVES L25L5V0CB2



IEON

# RATING AND CHARACTERISTIC CURVES L25L5V0CB2







TEON







### **Marking & Orientation**



### Note: Marking is none direction

### **Packaging Information**

DEVICE	Q'TY/REEL	REEL DIA.	Q'TY/BOX	Q'TY/CARTON
	(PCS)	(INCH)	(PCS)	(PCS)
L25L5V0CB2	3000	7	45000	90K/180K

#### SOD-323 Soldering Pad Layout



Dim.	Millimeters	Inches
Ζ	3.05	0.120
Х	2.15	0.084
W	1.25	0.049
Y	0.90	0.035
V	0.70	0.027



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