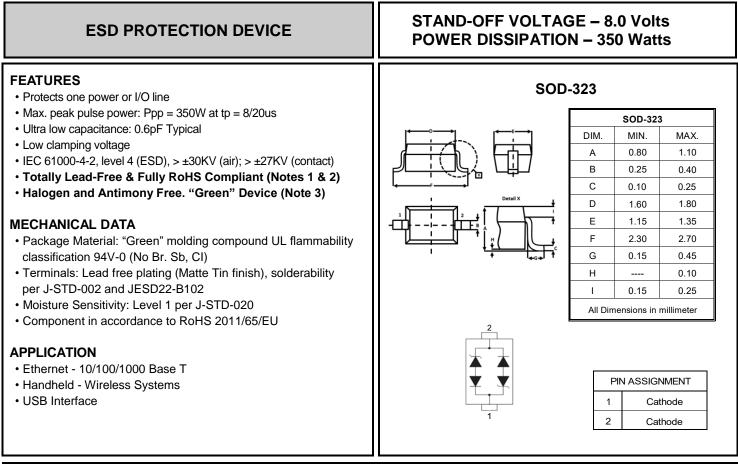


A Product Line of Diodes Incorporated

## LITE-ON SEMICONDUCTOR

# L35L8V0CB2



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

#### ABSOLUTE RATINGS

PARAMETER	SYMBOL	VALUE	UNIT
Peak pulse power (tp = 8/20us)	Ррк	350	W
Peak pulse current (tp = 8/20us)	I <sub>PP</sub>	14	А
Operating junction temperature range	ΤJ	-55 to +125	°C
Storage temperature range	T <sub>STG</sub>	-55 to +150	°C
Soldering temperature, t max = 10s	ΤL	+260	°C

#### **ELECTRICAL CHARACTERISTICS**

PARAMETER	SYMBOL	CONDITIONS	MIN.	TYP.	MAX	UNIT
Reverse stand-off voltage	V <sub>RWM</sub>				8	V
Breakdown voltage	VBR	I⊤ = 1mA	8.5			V
Reverse leakage current	I <sub>RM</sub>	$V_{DRM} = 8V$			2.0	uA
Junction capacitance	CJ	$V_R = 0V$ , f = 1MHz		0.6	0.7	pF
Clamping voltage	Vc	I <sub>PP</sub> = 1A, tp = 8/20uS			13.4	V
		I <sub>PP</sub> = 14A, tp = 8/20uS			25	v

Notes:

1. No purposely added lead. Fully EU Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS 2) & 2015/863/EU (RoHS 3) compliant.

See https://www.diodes.com/quality/lead-free/ for more information about Diodes Incorporated's definitions of Halogen- and Antimony-free, "Green" and Lead-free.
Halogen- and Antimony-free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.</li>



#### RATING AND CHARACTERISTIC CURVES L35L8V0CB2

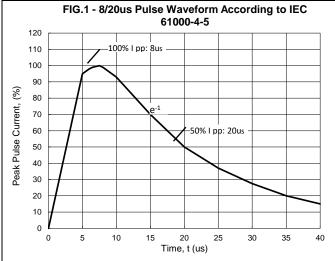
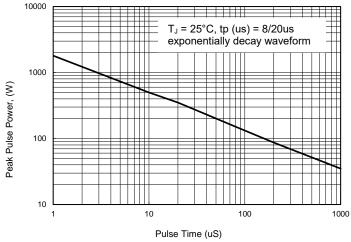
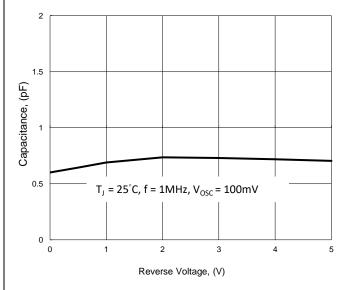


FIG.3 - Power Dissipation Versus Pulse Time

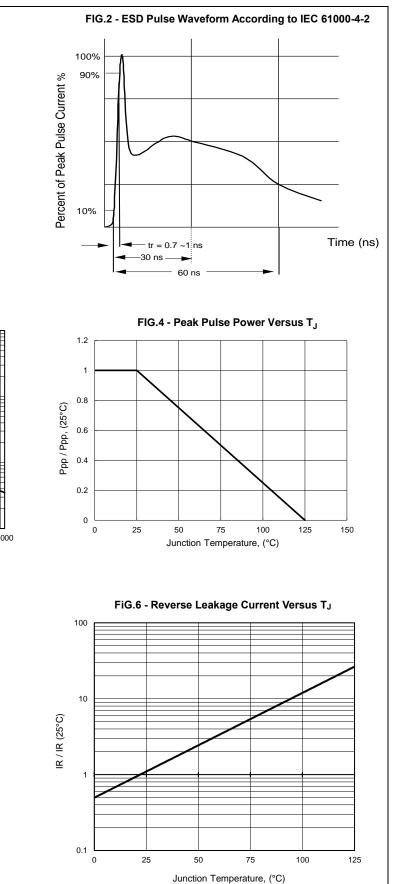






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### LITE-ON SEMICONDUCTOR



L35L8V0CB2 Document number: DS44528 Rev. 4 - 2 Downloaded from Arrow.com.



### **Ordering Information:**

Part Number	r Bookago	Packing	
Fait Nulliber	Package	Qty.	Carrier
L35L8V0CB2	SOD-323	3000pcs	Reel

# **Marking Information:**

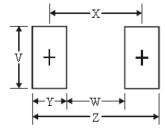


EO3 = Product Type Marking Code

# **Packaging Information:**

DEVICE	Q'TY/REEL	REEL DIA.	Q'TY/BOX	Q'TY/CARTON
	(PCS)	(INCH)	(PCS)	(PCS)
L35L8V0CB2	3000	7	45K	90K

### Suggested Pad Layout:



Dimensions	Value (in mm)
Z	3.05
Х	2.15
W	1.25
Y	0.90
V	0.70



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