



# Product data sheet

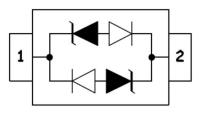
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# GBLC36CI-MS HF 🐼

Semiconductor Compiance





SOD-323

#### **FEATURES**

♦ Transient protection for high-speed data lines
IEC 61000-4-2 (ESD) ±30kV (Contact)

±30kV (Air)

- IEC 61000-4-4 (EFT) 40A (5/50 ns)
- Protects one I/O line (bidirectional)
- ♦ Working voltages : 36V
- ♦ Low clamping voltage
- ♦ Low leakage current
- $\diamond$  Response time is < 1 ns

#### **MACHANICAL DATA**

- ♦ SOD-323 package
- ♦ Flammability Rating: UL 94V-0
- ♦ Packaging: Tape and Reel
- $\diamond$  High temperature soldering guaranteed: 260 °C/10s
- ♦ Reel size: 7 inch
- $\diamond$  MSL1

#### **APPLICATIONS**

- ♦ Cell Phone Handsets and Accessories
- Microprocessor based equipment
- Personal Digital Assistants (PDA's)
- Notebooks, Desktops, and Servers
- Portable Instrumentation
- $\diamond$  Peripherals
- ♦ USB Interface



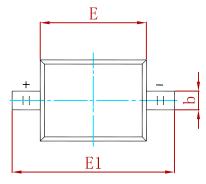
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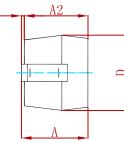
ABSOLUTE MAXIMUM RATING					
Symbol	Parameter	Value	Units		
V <sub>ESD</sub>	ESD per IEC 61000-4-2 (Contact)	±30	kV		
♥ ESD	ESD per IEC 61000-4-2 (Air)	±30	κv		
P <sub>PP</sub>	Peak Pulse Power (8/20µs)	350	W		
T <sub>OPT</sub> Operating Temperature		-55/+150	°C		
T <sub>STG</sub> Storage Temperature		-55/+150	°C		
ΤL	Lead Soldering Temperature	260	°C		

ELECTRICAL CHARACTERISTICS (Tamb=25°C)									
	V <sub>RWM</sub>	V <sub>B</sub> @1mA	V <sub>C</sub> @1A	V <sub>c</sub> @lpp V <sub>c</sub> @l		)]pp	I <sub>R</sub>	CT	
	(V)	(V)	(V)	(V)		(V)		(µA)	(pF)
P/N	Max	Min	Max	Max	lpp (A)	Max	lpp (A)	Max	Тур.
GBLC36CI-MS	36.0	40.0	60.0	65.0	2	75.0	4.5	1	0.8

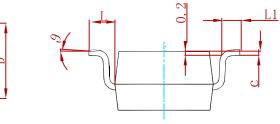


#### PACKAGE MECHANICAL DATA



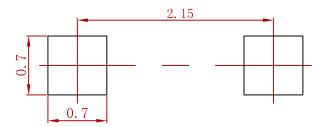


<u>A1</u>



Cymhal	Dimensions	In Millimeters	Dimensions In Inches		
Symbol	Min.	Max.	Min.	Max.	
A		1.000		0.039	
A1	0.000	0.100	0.000	0.004	
A2	0.800	0.900	0.031	0.035	
b	0.250	0.350	0.010	0.014	
с	0.080	0.150	0.003	0.006	
D	1.200	1.400	0.047	0.055	
E	1.600	1.800	0.063	0.071	
E1	2.550	2.750	0.100	0.108	
L	0.475 REF.		0.019 REF.		
L1	0.250	0.400	0.010	0.016	
θ	0°	8°	0°	8°	

#### Suggested Pad Layout



#### Note:

1.Controlling dimension:in millimeters.

2.General tolerance:± 0.05mm.

3. The pad layout is for reference purposes only.

#### **REEL SPECIFICATION**

P/N	PKG	QTY
GBLC36CI-MS	SOD-323	3000



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