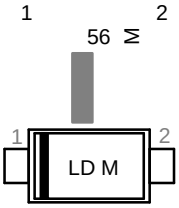
500

MARKING DIAGRAMS

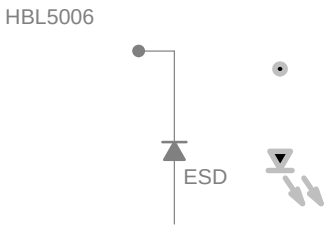
SOD−323
CASE 477

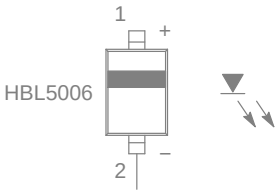


SOD−523
CASE 502

SOD−923
CASE 514AB

XX = Specific Device Code
M = Date Code





Apply heat sinking to pin 2

ORDERING INFORMATION

5

MAXIMUM RATINGS

Rating	Symbol	Value

ELECTRICAL CHARACTERISTICS (Unless otherwise noted: T_A = 25°C)

Symbol	Characteristics	Package	Min	Typ	Max	Unit
V_{BR}	Breakdown Voltage: The minimum voltage across the device in or at the breakdown region. Measured at I_{BR} = 1 mA.	SOD−323	6.2	7.0		V
		SOD−523	6.2	7.0		
		SOD−923	6.2	7.0		
I_H	Holding Current: The minimum current required to maintain the device in the on-state.	SOD−323		25	40	mA
		SOD−523		25	40	
		SOD−923		25	40	
I_L						

TYPICAL APPLICATION CIRCUIT

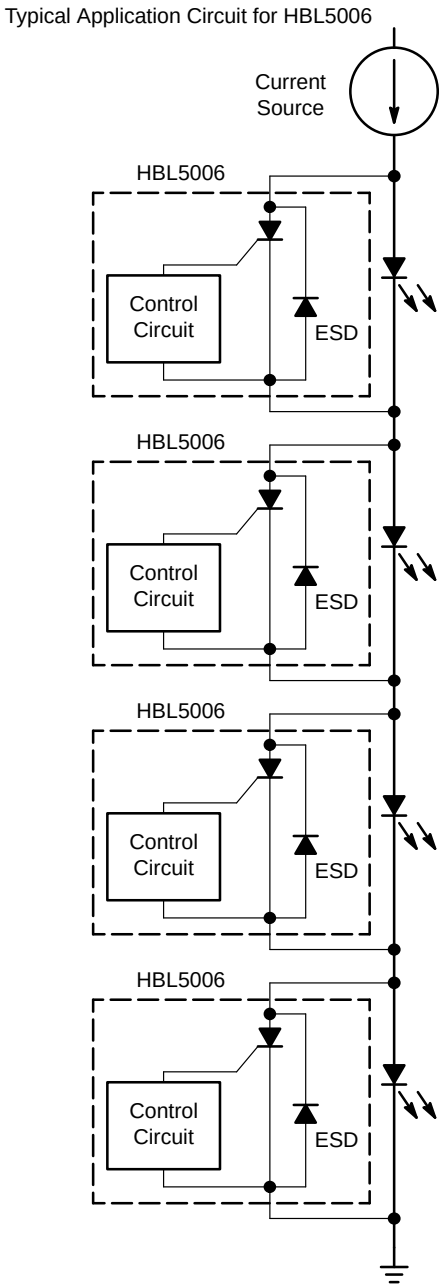


Figure 2. Typical Application Circuit

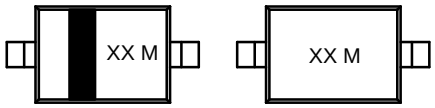
SOD−323 1.70x1.25x0.85
CASE 477
ISSUE K

DATE 11 MAR 2024

RECOMMENDED MOUNTING FOOTPRINT

*For additio

GENERIC MARKING DIAGRAM*



STYLE 1 STYLE 2

XX = Specific Device Code
M = Date Code

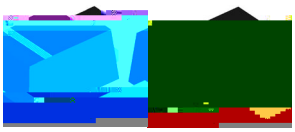
*This information is generic. Please refer to device data sheet for actual part marking. Pb−Free indicator, “G” or microdot “▪”, may or may not be present. Some products may not follow the Generic Marking.

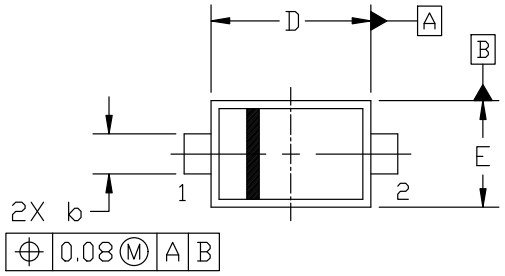
STYLE 1:
PIN 1. CATHODE (POLARITY BAND)
2. ANODE

STYLE 2:
NO POLARITY

CASE 502
ISSUE F

DATE 08 FEB 2024

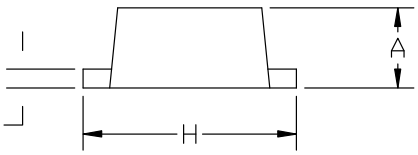


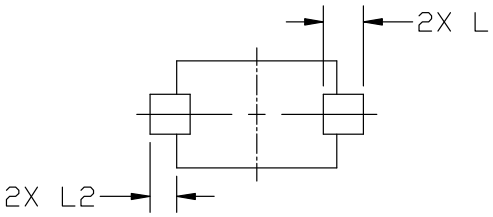


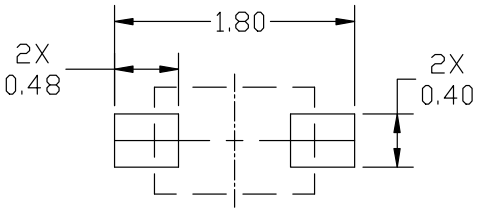
2. CONTROLLING DIMENSION: MILLIMETERS.
3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH, MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.
4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR GATE BURRS.

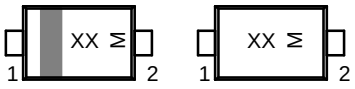
	MILLIMETERS	
DIM	MIN.	NOM.

0.5VSIONING60AND TOLERANCING PER ASME Y14.5M, 2









STYLE 1 STYLE 2

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M Date Code

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STYLE 1:
PIN 1. CATHODE (POLARITY BAND)
2. ANODE

STYLE 2:
NO POLARITY

*For additional informor

ing and Mounting Techniques
Reference manual, SOLDERRM/D.

c strategy and soldering
details, please download the ON
Semiconductor Soldering and Moun