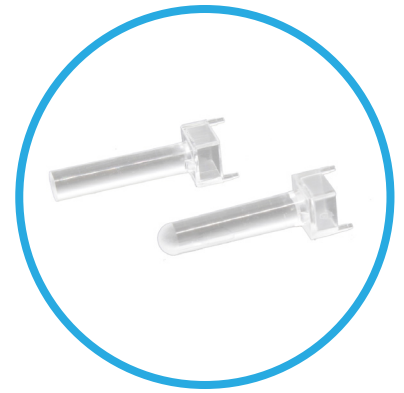
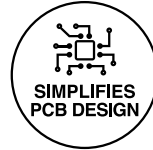
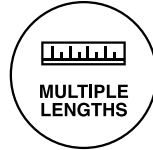
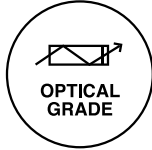


VBL Series

Ø 0.118" (3mm) PCB Mounted Light Pipe for Surface Mount LED



VBL Series features vertical press-fit board mount LED light pipes available in a range of different lengths with either a flat or a domed top.



Applications

- Audio/Video
- Industrial Robots
- Darkroom Equipment
- Agriculture
- Entertainment
- Medical
- IoT
- Data Center Solutions
- Transportation Power Systems

Key Features

- Rigid board mount light pipe for surface mount LEDs
- 3mm round lens with either a domed or flat face
- The VBL light pipes are mounted onto the PCB using push-fit lugs in close proximity to the LED
- Features a press-fit installation into the PCB board which simplifies installation and enables faster assembly
- Protects LED from ESD
- Optical grade polycarbonate for maximum light transmission
- View viewing angle: Flat 80 degree, Dome 20 degree
- Frosted surface diffuses light and provides uniform brightness and a soft glow
- Operating temp: -40°F~239°F (-40°C~115°C)
- Standard lengths from 0.20" to 1.000"
- For custom length contact VCC
- RoHS and REACH Compliant

Ordering Data

Series	Diameter		Shape		Length		Color	
VBL	3		D		0200		C	
	3	3mm	D	Dome	0200	.2" (5.1mm)	C	Clear
			F	Flat	0250	.25" (6.4mm)		
					0300	.3" (7.6mm)		
					0350	.35" (8.9mm)		
					0400	.4" (10.2mm)		
					0450	.45" (11.4mm)		
					0500	.5" (12.7mm)		
					0550	.55" (13.9mm)		
					0600	.6" (15.2mm)		
					0700	.7" (17.8mm)		
					0800	.8" (20.3mm)		
					0900	.9" (22.8mm)		
					1000	1.0" (25.4mm)		

*Custom lengths available upon request



Example:

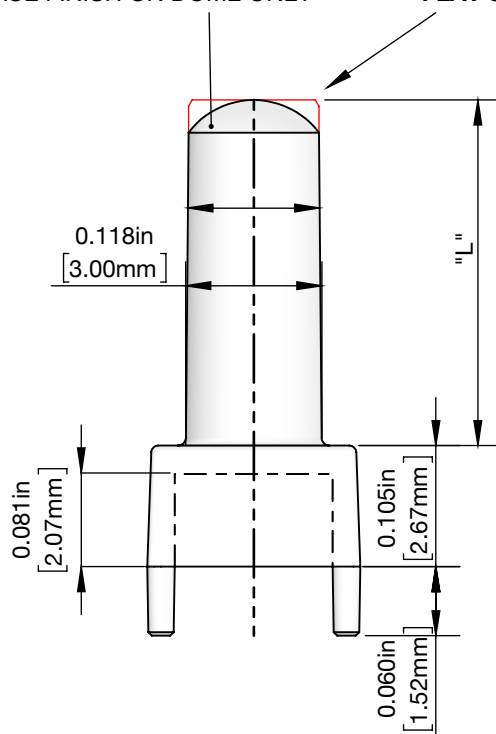
VBL3D0900C

VBL Series, PCB mount, .9" (22.8mm) Length, Dome Shape, Clear

Product Dimensions

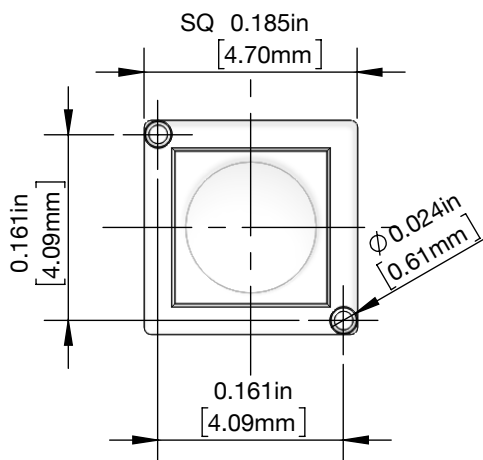
VBL Series

SURFACE FINISH ON DOME ONLY
RED LINES ARE REPRESENTED
FLAT SERIES



Length (L)
.2" (5.1mm)
.25" (6.4mm)
.3" (7.6mm)
.35" (8.9mm)
.4" (10.2mm)
.45" (11.4mm)
.5" (12.7mm)
.55" (13.9mm)
.6" (15.2mm)
.7" (17.8mm)
.8" (20.3mm)
.9" (22.8mm)
1.0" (25.4mm)

Mounting Hole Pattern



Notes:

1. All dimensions are in inches [millimeters]
2. Tolerance is $\pm 0.005"$ [0.1mm] unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Product Specifications

Materials	
Body	Polycarbonate, Clear UL 94-V0

Installation Specifications	
Diameter	Ø 0.188" (3mm)
Standard Lengths	.2" to 1.0" (5.1mm to 25.4mm)

Temperature Specifications	
Operating Temperature	-40°F~239°F (-40°C~115°C)

Compliances and Approvals



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

VCC:

<u>VBL3D0200C</u>	<u>VBL3D0250C</u>	<u>VBL3D0300C</u>	<u>VBL3D0350C</u>	<u>VBL3D0400C</u>	<u>VBL3D0450C</u>	<u>VBL3D0500C</u>	
<u>VBL3D0550C</u>	<u>VBL3D0600C</u>	<u>VBL3D0700C</u>	<u>VBL3D0800C</u>	<u>VBL3D0900C</u>	<u>VBL3D1000C</u>	<u>VBL3F0200C</u>	<u>VBL3F0250C</u>
<u>VBL3F0300C</u>	<u>VBL3F0350C</u>	<u>VBL3F0400C</u>	<u>VBL3F0450C</u>	<u>VBL3F0500C</u>	<u>VBL3F0550C</u>	<u>VBL3F0600C</u>	<u>VBL3F0700C</u>
<u>VBL3F0800C</u>	<u>VBL3F0900C</u>	<u>VBL3F1000C</u>					