

# 90° LED ASSEMBLIES

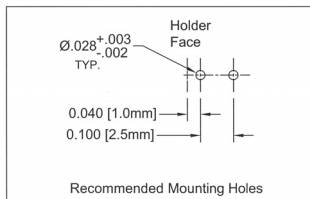
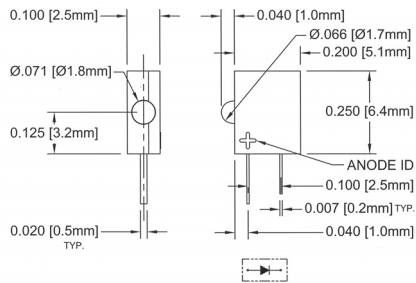
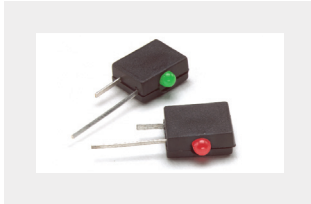
## Sub-Miniature (2mm) Assemblies

- Space Saving Design
- Industry Standard Footprint
- Vibration and Shock Resistant
- High Reliability

BivarOpto H2M series is ideally suited for high density status indication where board space is at a premium. The 94V-0 housing protects and isolates leads from shorting while holding the 2mm LED in either a 90° (H2MR series) or vertical (H2MV) position. The H2M series utilizes an industry standard foot print, and is compatible with a number of manufacturers' standard devices.

### H2MR Series

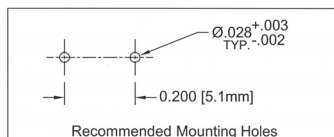
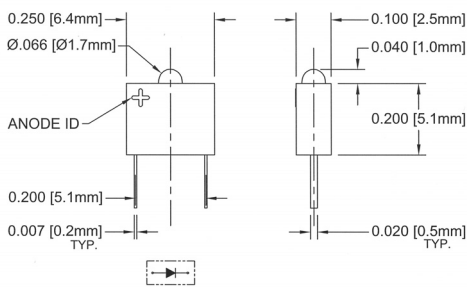
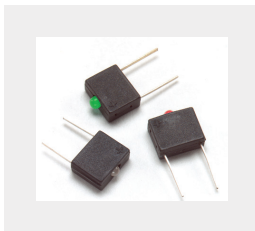
Right Angle Assembly



LED Assy. No.	Peak Wave Length	Emitted Color	Lens Appearance	Electro-Optical Data @20mA			Viewing Angle 2 θ 1/2 (deg)	LED P/N	
				If (mA) TYP	Vf (V) TYP	Iv (mcd) MAX			
H2MRGD	565	GREEN	DIFFUSED	20	2.2	2.6	7.0	45	2GD
H2MRYD	585	YELLOW	DIFFUSED	20	2.1	2.6	4.0	45	2YD
H2MRHD	635	HE RED	DIFFUSED	20	2.0	2.6	6.0	45	2HD
<b>Low Current</b>				<b>Data @2mA</b>					
H2MRGDL	565	GREEN	DIFFUSED	2	1.8	2.2	1.1	45	2GDL
H2MRYDL	585	YELLOW	DIFFUSED	2	1.8	2.6	0.9	45	2YDL
H2MRHDL	635	HE RED	DIFFUSED	2	1.8	2.6	1.3	45	2HDL
<b>5 Volt</b>				<b>Data @10mA</b>					
H2MRGD5V	565	GREEN	DIFFUSED	10	-	5.0	5.0	45	2GD5V
H2MRYD5V	585	YELLOW	DIFFUSED	10	-	5.0	5.0	45	2YD5V
H2MRHD5V	635	HE RED	DIFFUSED	10	-	5.0	5.0	45	2HD5V

### H2MV Series

2mm Vertical Assembly



LED Assy. No.	Peak Wave Length	Emitted Color	Lens Appearance	Electro-Optical Data @20mA			Viewing Angle 2 θ 1/2 (deg)	LED P/N	
				If (mA) TYP	Vf (V) TYP	Iv (mcd) MAX			
H2MVGD	565	GREEN	DIFFUSED	20	2.2	2.6	7.0	45	2GD
H2MVYD	585	YELLOW	DIFFUSED	20	2.1	2.6	4.0	45	2YD
H2MVHD	635	HE RED	DIFFUSED	20	2.0	2.6	6.0	45	2HD
<b>Low Current</b>				<b>Data @2mA</b>					
H2MVGDL	565	GREEN	DIFFUSED	2	1.8	2.2	1.1	45	2GDL
H2MVYDL	585	YELLOW	DIFFUSED	2	1.8	2.6	0.9	45	2YDL
H2MVHDL	635	HE RED	DIFFUSED	2	1.8	2.6	1.3	45	2HDL
<b>5 Volt</b>				<b>Data @10mA</b>					
H2MVGD5V	565	GREEN	DIFFUSED	10	-	5.0	5.0	45	2GD5V
H2MVYD5V	585	YELLOW	DIFFUSED	10	-	5.0	5.0	45	2YD5V
H2MVHD5V	635	HE RED	DIFFUSED	10	-	5.0	5.0	45	2HD5V