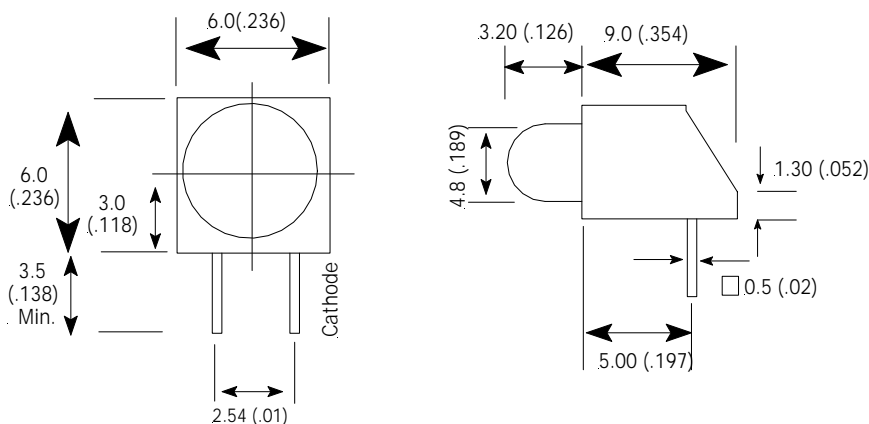




## MCDL-503XD/H401 (4.8 MM MEDIUM PROFILE PCB)

Lens Color: **Color Diffused**  
 Lens Dimension: **4.8 mm**  
 Housing: **94V-0 Black Housing, Polyphthalamide (PPA)**



### Absolute Maximum Rating: (Ta=25°C)

Parameter			Units
DC Forward Current	<b>10</b>		<b>MA</b>
Reverse Voltage	<b>5</b>		<b>V</b>
Power Dissipation	<b>115</b>		<b>MW</b>
Peak Forward Current, tw=1 msec. Duty = 1/20	<b>180</b>		<b>MA</b>
Operating Temperature	<b>-40°</b>	<b>+80°</b>	<b>°C</b>
Storage Temperature	<b>-40°</b>	<b>+100°</b>	<b>°C</b>
Solder DIP (5 seconds, 1.6mm from body) Temperature	<b>260°</b>	<b>±5°</b>	<b>°C</b>

### Electrical Characteristics At Ta= 25°C

Part Number	Emitted Color		Wavelength	I <sub>F</sub> Peak		V <sub>F</sub> (V)			Viewing Angle 2θ	I <sub>V</sub> (I <sub>F</sub> = 20mA) mcd	
	Chip	Color	λ PEAK	mA	mA	Min	Typ	Max	Degrees	Min	Typ
MCDL-503HD/H401	GaP	Red	700	30	160	1.7	2.1	2.8	120	0.8	5.0
MCDL-503GD/H401	GaP	Green	567	30	160	1.7	2.1	2.8	120	3.0	20.0
MCDL-503YD/H401	GaAsP/GaP	Yellow	585	30	160	1.7	2.0	2.8	120	3.0	20.0
MCDL-503ED/H401	GaAsP/GaP	Orange/Red	625	30	160	1.7	2.1	2.8	120	3.0	30.0
MCDL-503EDE/H401	GaAsP/GaP	Orange	625	30	160	1.7	2.0	2.8	120	3.0	30.0
MCDL-503SRD/H401	GaAlAs	Super Red	660	20	160	1.6	1.8	2.1	120	70	300

#### Notes:

- All Dimensions are in millimeters (inches).
- Tolerance is ± 0.25mm (0.010") unless otherwise specified.
- Lead spacing is measured where the leads emerge from the package.
- Specifications are subject to change without notice.