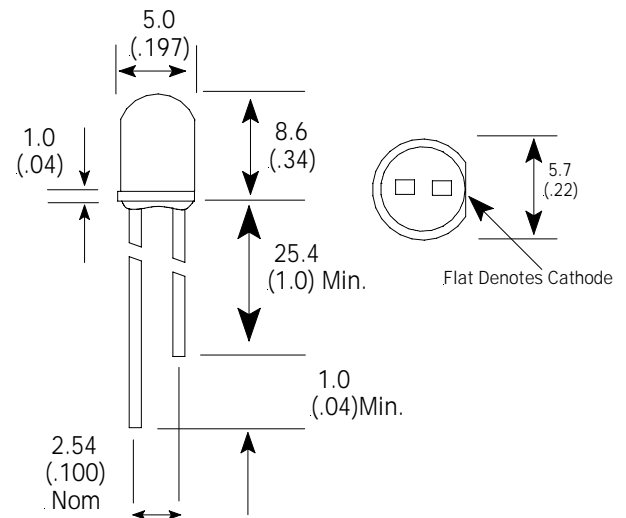




## MCDL-5013XXD (5MM 60°)

**Lens Color:** See Below  
**Dimension:** 5 mm



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

Parameter			Unit
DC Forward Current	10		mA
Reverse Voltage	5		V
Power Dissipation	115		mW
Peak Forward Current, $t_w = 1$ msec. Duty, $= 1/20$	180		mA
Operation Temperature	-40°	+80°	°C
Storage Temperature	-40°	+100°	°C
Solder DIP (5 seconds, 1.6 mm from body) Temperature	260°	± 5°	°C

Part Number	Emitted Color		Lens Color	Peak Wavelength $\lambda$ PEAK	Pd mW	$V_F$ (V) Typ.	If mA	Viewing Angle 2 $\theta$ Deg.	$I_v$ (If = 10mA) MCD	
									Min	Typ.
MCDL-5013RD	GaAsP	Red	Red	655	110	1.7	40	60	0.5	3.0
MCDL-5013HD	GaP	Bright Red	Red	700	45	2.1	15	60	0.8	5.0
MCDL-5013ED	GaAsP/GaP	Hi Eff. Red	Red	635	100	2.0	30	60	3.0	20.0
MCDL-5013ED-E	GaAsP/GaP	Orange	Orange	635	100	2.0	30	60	3.0	20.0
MCDL-5013LED	GaAlInP	Orange	Orange	620	115	2.0	2.4	60	40.0	80.0
MCDL-5013UED	GaAlInP	Orange	Orange	620	115	2.0	2.4	60	80.0	120.0
MCDL-5013VED	GaAlInP	Orange	Orange	620	115	2.0	2.4	60	120.0	160.0
MCDL-5013GD	GaP	Green	Green	565	100	2.1	30	60	2.5	12.5
MCDL-5013SGD	GaP	Green	Green	565	100	2.1	30	60	12.5	40.0
MCDL-5013LGD	GaP	Green	Green	565	100	2.1	30	60	30.0	60.0
MCDL-5013UGD	GaP	Green	Green	565	100	2.1	30	60	60.0	90.0
MCDL-5013YD	GaAsP/GaP	Yellow	Yellow	585	100	2.1	30	60	5.0	20.0
MCDL-5013LYD	GaAlInP	Yellow	Yellow	595	115	2.0	2.4	60	40.0	80.0
MCDL-5013UYD	GaAlInP	Yellow	Yellow	595	115	2.0	2.4	60	80.0	120.0
MCDL-5013VYD	GaAlInP	Yellow	Yellow	595	115	2.0	2.4	60	120.0	160.0
MCDL-5013AD	GaAlAs/GaP	Amber	Amber	585	100	2.1	30	60	5.0	20.0
MCDL-5013ID	GaAlAs	Hi Eff. Red	Red	625	60	1.8	20	60	20.0	50.0
MCDL-5013SRD	GaAlAs	Super Red	Red	660	60	1.8	20	60	50.0	200.0
MCDL-5013LRD	GaAlAs	Super Red	Red	660	60	1.8	20	60	200.0	300.0
MCDL-5013URD	GaAlAs	Super Red	Red	660	60	1.8	20	60	300.0	500.0
MCDL-5013URD-U12	GaAlAs	Super Red	Red	660	60	1.8	20	60	300.0	400.0
MCDL-5013URD-U14	GaAlAs	Super Red	Red	660	60	1.8	20	60	400.0	500.0

Notes:

1. All Dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25$ mm (0.010") unless otherwise specified.
3. Protruded resin under flange is 1.5mm (0.59") max.
4. Specifications are subject to change without notice.