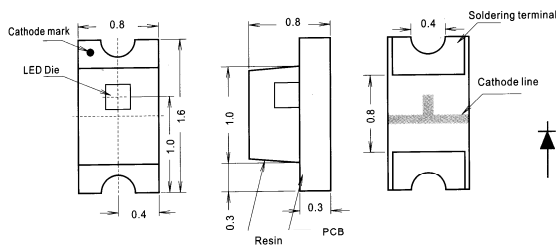




## MCDL-0603XX (0603 SMD TYPE) Ultra Brightness series

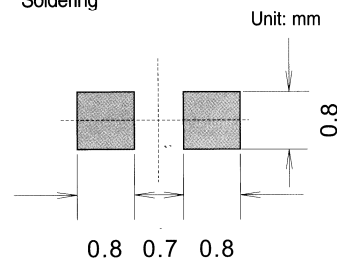
### Package Outline Drawing :

Unit: mm Tolerance: +/-0.1



1. Soldering terminal (size: 0.4x 1.1 mm) may shift in x, y direction.

### Recommended Soldering Pattern for Reflow Soldering



Reel size: 4,000

ABSOLUTE MAXIMUM RATING :(Ta=25°C)

Parameter			Unit
DC Forward Current	20		mA
Reverse Voltage	5		V
Reverse Current (Vr=5V)	10		µA
Peak Forward Current ,tw ,=0.1 msec Duty ,=1/10	180		mA
Operation Temperature	-30°	+80°	°C
Storage Temperature	-40°	+85°	°C
Solder Dip (5 seconds, 1.6mm from body )Temperature	260°	±5°	°C

Part Number	EMITTED COLOR		Lens Color	Peak Wavelength (nm)	Vf (v) Typ	IV (If=20mA) mcd		Viewing Angle 2 θ 1/2
						Min.	Max.	
MCDL-0603URC	GaAlAs	Super Red	Water Clear	660	1.9	50	70	120°
MCDL-0603UYC	GaAlInP	Super Yellow	Water Clear	587	2.1	60	80	120°
MCDL-0603UBC	InGaN	Super Blue	Water Clear	470	3.2	40	50	120°
MCDL-0603PGC	InGaN	Super pure Green	Water Clear	525	3.4	70	120	120°
MCDL-0603WC	InGaN	Super white	Water Clear	**	3.2	60	100	120°

### Notes:

- All Dimensions are in millimeters (inches).
- Tolerance is ± 0.25mm (0.010") unless otherwise specified.
- Specifications are subject to change without notice.