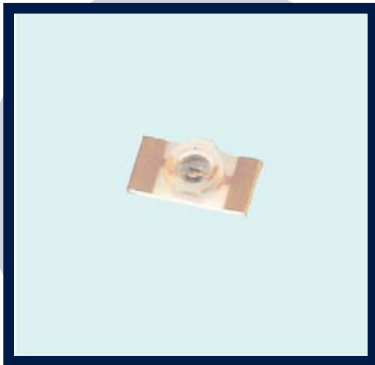


Dialight

597-6XX1-60XF SERIES microLED® SMD LEDs REVERSE MOUNT 1206 PACKAGE (3.2MM X 1.6MM X 1.1MM)



Note: -602F = Pkg 20 pcs / strip
-607F = Pkg 3000 pcs / 7" reel

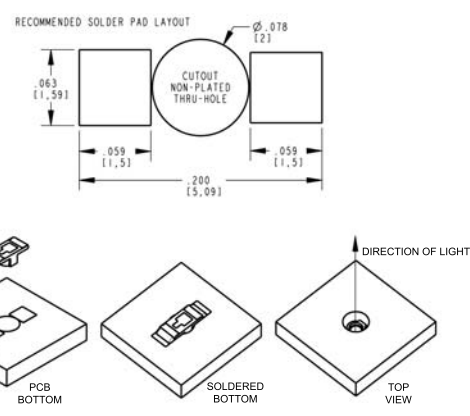
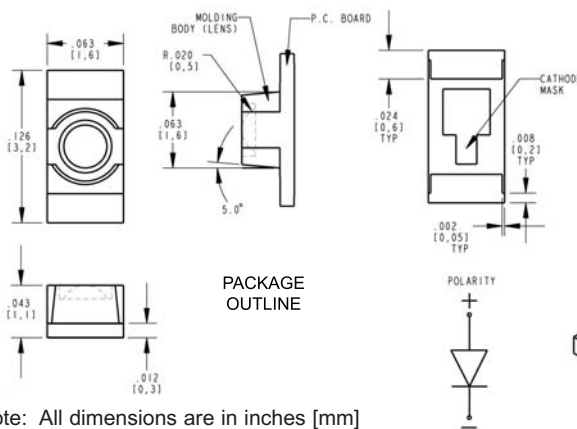
FEATURES / BENEFITS

- ▲ RoHS Compliant
- ▲ Gold (Au) plated lead finish
- ▲ Compatible with automatic placement equipment
- ▲ Compatible with RoHS compliant surface mount reflow soldering processes
- ▲ Packaged in moisture barrier bags for dry packaging per IPC/JEDEC J-STD-033, moisture sensitivity level 3

APPLICATIONS

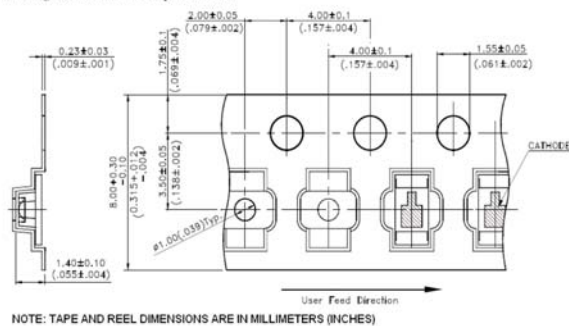
Reverse mount 597 series microLED® are available in a variety of colors in AlInGaP and InGaN chip technology for high brightness applications. Reverse mount channels the light into various applications such as light pipes, and backlighting.

SPECIFICATIONS

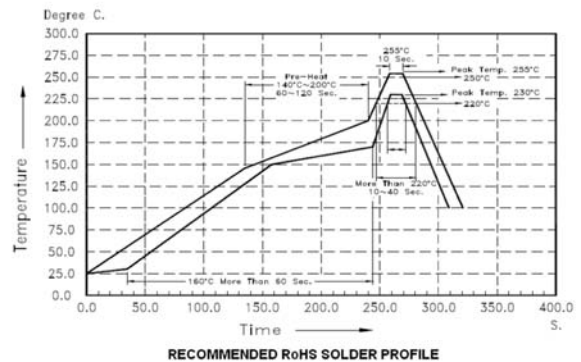


Note: All dimensions are in inches [mm]

Package Dimensions Of Tape And Reel



NOTE: TAPE AND REEL DIMENSIONS ARE IN MILLIMETERS (INCHES)



DIALIGHT RESERVES THE RIGHT TO MAKE CHANGES AT ANY TIME IN ORDER TO SUPPLY THE BEST PRODUCT POSSIBLE.

Dialight Corporation

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MDEF597RM001_A



1206 REVERSE MOUNT LED PACKAGE (3.2MM X 1.6MM X 1.1MM) SINGLE COLOR

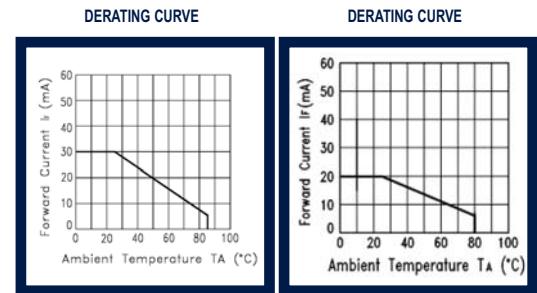
OPERATING CHARACTERISTICS @ 25°C AMBIENT

PART NUMBER	EMITTED COLOR	MATERIAL	LENS COLOR	*LUMINOUS INTENSITY @ I _F = 20mA (mcd)			*FORWARD VOLTAGE @ I _F = 20mA (mcd)			REVERSE CURRENT (μA)	DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEG)
				MIN	TYP	MAX	MIN	TYP	MAX		MIN	TYP	MAX		
597-6001-602F, -607F	Red	AllnGaP	Water Clear	18.0		280.0	2.0	2.4	10		631		639	70	
597-6201-602F, -607F	Orange	AllnGaP	Water Clear	71.0		450.0	2.0	2.4	10		605		611	70	
597-6301-602F, -607F	Green	InGaN	Water Clear	112.0		710.0	2.8	3.8	100		525		530	70	
597-6401-602F, -607F	Yellow	AllnGaP	Water Clear	28.0		450.0	2.0	2.4	10		587		588	70	
597-6501-602F, -607F	Yellow -Green	AllnGaP	Water Clear	28.0		180.0	1.8	2.4	10		567	577	574	70	
597-6601-602F, -607F	Blue	InGaN	Water Clear	45.0		180.0	3.0	3.8	100		465	475	468	70	
597-6901-602F, -607F	White	InGaN	Yellow	28.0		112.0	2.7	3.15	10		**			70	

*Luminous intensity and forward voltage for white are measured @ 5mA

**Chromaticity coordinates for white (nm): x = 0.304, y = 0.301

ABSOLUTE MAX RATINGS @ 25°C AMBIENT	COLOR							UNITS
	RED	ORANGE	YELLOW	YELLOW - GREEN	GREEN	BLUE	WHITE	
Power Dissipation	75			76		70		mW
DC Forward Current	30			20				mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms PULSE)	80			100				mA
Derate Linearly from 25°C	0.4			0.25				mA / °C
Reverse Voltage	5							V
Storage Temperature	-55 to +85							°C
Operating Temperature	-55 to +85							°C
Soldering Temperature, for 5 sec	260							°C



AllnGaP Red
AllnGaP Orange
AllnGaP Yellow
AllnGaP Yellow-Green

InGaN Green
InGaN Blue
InGaN White

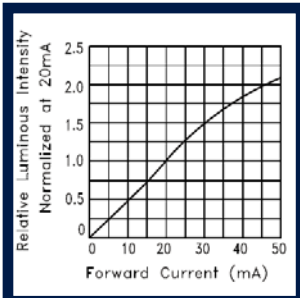
RELATIVE INTENSITY V. FORWARD CURRENT

RELATIVE INTENSITY V. FORWARD CURRENT

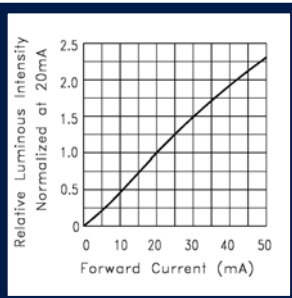
RELATIVE INTENSITY V. FORWARD CURRENT

RELATIVE INTENSITY V. FORWARD CURRENT

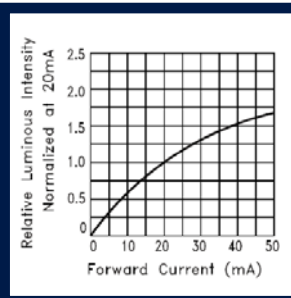
RELATIVE INTENSITY V. FORWARD CURRENT



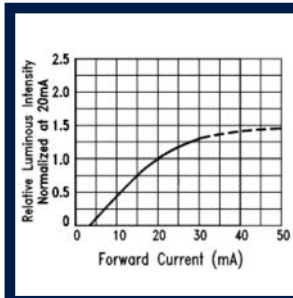
AllnGaP Red



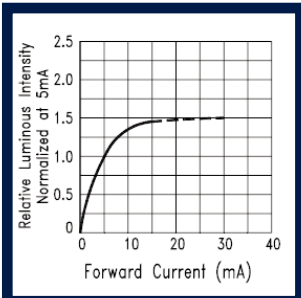
AllnGaP Orange, Yellow



AllnGaP Yellow-Green



InGaN Blue, Green



InGaN White

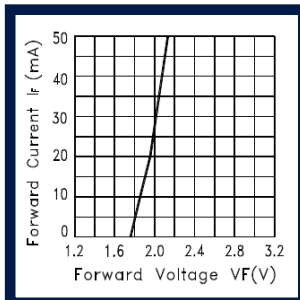
FORWARD CURRENT V. FORWARD VOLTAGE

FORWARD CURRENT V. FORWARD VOLTAGE

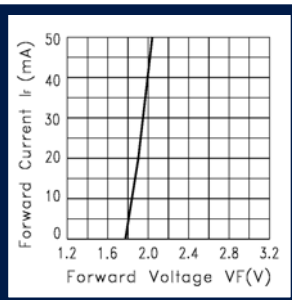
FORWARD CURRENT V. FORWARD VOLTAGE

FORWARD CURRENT V. FORWARD VOLTAGE

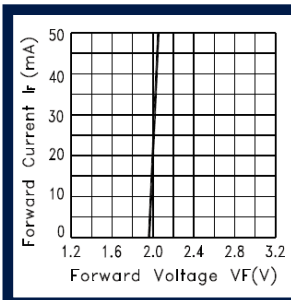
FORWARD CURRENT V. FORWARD VOLTAGE



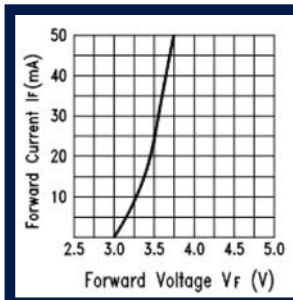
AllnGaP Red



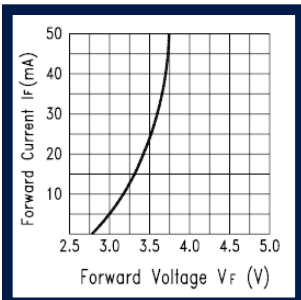
AllnGaP Orange, Yellow



AllnGaP Yellow-Green



InGaN Blue, Green



InGaN White

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