

**CHIP - standard**

A range of surface mount, chip LEDs with a white diffused lens, available in three industry standard sizes. Suitable for many applications including LCD/keypad backlighting, dot matrix displays and panel illumination. Supplied taped and reeled.

Case & Viewing Angle**0603 Chip**

Viewing angle 170°

NORMAL BRIGHTNESS

Emitted Colour	Lens Colour	Peak Wavelength nm	Typ. Luminous Intensity (I _F = 20mA) mcd
Red	white-diffused	660	17
Orange	white-diffused	610	6
Yellow	white-diffused	585	7
Green	white-diffused	568	10

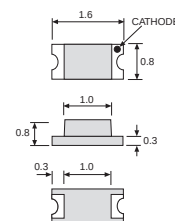
HIGH BRIGHTNESS

Emitted Colour	Lens Colour	Peak Wavelength nm	Typ. Luminous Intensity (I _F = 20mA) mcd
Red	white-diffused	632	45
Orange	white-diffused	611	45
Yellow	white-diffused	593	45
Green	white-diffused	570	30

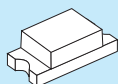
Manf. Part No. & Anglia Order Code

TOL1608MR
TOL1608MO
TOL1608MY
TOL1608MG

TOL1608MRB
TOL1608MOB
TOL1608MYB
TOL1608MGB

Dimensions (mm)

NOTE! - Polarity is reversed for TOL1608MR

Case & Viewing Angle**0805 Chip**

Viewing angle 170°

NORMAL BRIGHTNESS

Emitted Colour	Lens Colour	Peak Wavelength nm	Typ. Luminous Intensity (I _F = 20mA) mcd
Red	white-diffused	660	17
Orange	white-diffused	610	6
Yellow	white-diffused	585	7
Green	white-diffused	568	10

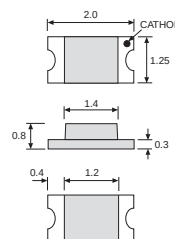
HIGH BRIGHTNESS

Emitted Colour	Lens Colour	Peak Wavelength nm	Typ. Luminous Intensity (I _F = 20mA) mcd
Red	white-diffused	632	45
Orange	white-diffused	611	45
Yellow	white-diffused	593	45
Green	white-diffused	570	30

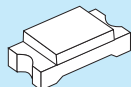
Manf. Part No. & Anglia Order Code

TOL2012MR
TOL2012MO
TOL2012MY
TOL2012MG

TOL2012MRB
TOL2012MOB
TOL2012MYB
TOL2012MGB

Dimensions (mm)

NOTE! - Polarity is reversed for TOL2012MR

Case & Viewing Angle**1206 Chip**

Viewing angle 170°

NORMAL BRIGHTNESS

Emitted Colour	Lens Colour	Peak Wavelength nm	Typ. Luminous Intensity (I _F = 20mA) mcd
Red	white-diffused	660	17
Orange	white-diffused	610	6
Yellow	white-diffused	585	7
Green	white-diffused	568	10

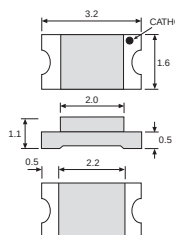
HIGH BRIGHTNESS

Emitted Colour	Lens Colour	Peak Wavelength nm	Typ. Luminous Intensity (I _F = 20mA) mcd
Red	white-diffused	632	45
Orange	white-diffused	611	45
Yellow	white-diffused	593	45
Green	white-diffused	570	30

Manf. Part No. & Anglia Order Code

TOL3216MR
TOL3216MO
TOL3216MY
TOL3216MG

TOL3216MRB
TOL3216MOB
TOL3216MYB
TOL3216MGB

Dimensions (mm)

NOTE! - Polarity is reversed for TOL3216MR

Packaging

TAPE : 8mm wide, 4mm pitch

REEL : 178mm dia.



For the very latest information and news on the full range of TITAN OPTO products available from Anglia, visit our website :

www.angliac.com/titan-opto

Alternatively, contact our Sales Desk to discuss your specific requirements.

CHIP - standard

NEW

SMD

Case &
Viewing
Angle

0603 Chip



Viewing angle 140°

NORMAL BRIGHTNESS

Emitted Colour	Lens Colour	Peak Wavelength nm	Typ. Luminous Intensity (I _F = 20mA) mcd	Chip Height (H) mm
Red	water-clear	650	4	0.8
Red	water-clear	660	10	0.8
Orange	water-clear	610	6.3	0.8
Yellow	water-clear	585	6.3	0.8
Green	water-clear	570	16	0.8
Green	white-diffused	570	16	0.55
Green	white-diffused	570	16	0.4
Pure-Green	water-clear	555	4	0.8

HIGH BRIGHTNESS

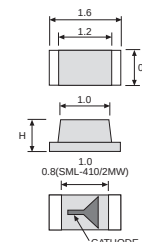
Red	white-diffused	630	40	0.55
Red	white-diffused	630	63	0.55
Orange	white-diffused	611	40	0.55
Orange	white-diffused	611	63	0.55
Yellow	white-diffused	590	40	0.55
Yellow	white-diffused	590	63	0.55
Green	white-diffused	570	40	0.55
Green	white-diffused	570	40	0.4
Green*	water-clear	523	90	0.8
Green*	water-clear	518	200	0.8
Blue*	water-clear	428	3.6	0.8
Blue*	water-clear	468	14	0.8
Blue*	water-clear	468	63	0.8

Manf. Part No.
& Anglia
Order Code

SML-310VT
SML-310LT
SML-310DT
SML-310YT
SML-310MT
SML-510MW
SML-410MW
SML-310PT

SML-511UW
SML-512UW
SML-511DW
SML-512DW
SML-511WW
SML-512WW
SML-512MW
SML-412MW
SML311EBT
SML312ECT
SML310BAT
SML311BBT
SML312BCT

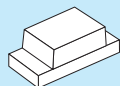
Dimensions (mm)



*These LEDs are electrostatic sensitive devices. Observe precautions for handling

Case &
Viewing
Angle

0805 Chip



Viewing angle 140°

NORMAL BRIGHTNESS

Red	water-clear	650	4	0.8
Red	water-clear	660	10	0.8
Orange	water-clear	610	6.3	0.8
Yellow	water-clear	585	6.3	0.8
Green	water-clear	570	16	0.8
Pure-Green	water-clear	555	4	0.8

HIGH BRIGHTNESS

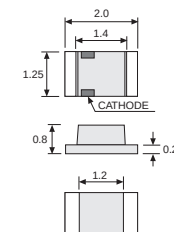
Red	water-clear	639	63	0.8
Orange	water-clear	611	63	0.8
Yellow	water-clear	591	63	0.8

Manf. Part No.
& Anglia
Order Code

SML-210VT
SML-210LT
SML-210DT
SML-210YT
SML-210MT
SML-210PT

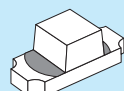
SML-212VT
SML-212DT
SML-212YT

Dimensions (mm)



Case &
Viewing
Angle

1305 Chip
Reverse Mounting



Viewing angle 140°

NORMAL BRIGHTNESS

Green	water-clear	570	16	1.1
-------	-------------	-----	----	-----

HIGH BRIGHTNESS

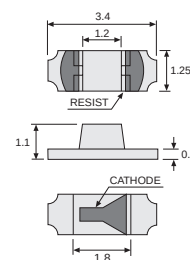
Green	water-clear	570	40	1.1
-------	-------------	-----	----	-----

Manf. Part No.
& Anglia
Order Code

SML-810MT

SML-812MT

Dimensions (mm)



Reverse mounting types, ideal for backlight applications

Packaging

TAPE : 8mm wide, 4mm pitch

REEL : 178mm dia.