



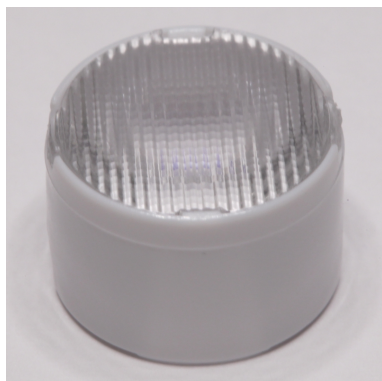
Ordering number FA10888
Description FA10888-Tina-MX6-RS

Family	Tina	FWHM	22 degrees
Type	Lens	Efficiency	96 %
LED	MX-6	cd/Im	-
Color	White	Gerber File	Available
Diameter	16 mm		
Height	10 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	-		
Status	Ready		



Ordering number FA10646
Description FA10646_Tina-MX6-D

Family	Tina	FWHM	23 degrees
Type	Lens	Efficiency	93 %
LED	MX-6	cd/Im	-
Color	White	Gerber File	Available
Diameter	16 mm		
Height	10 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	-		
Status	Ready		



Ordering number FA11201
Description FA11201-Tina-MX6-O

Family	Tina	FWHM	32+24 degrees
Type	Lens	Efficiency	-
LED	MX-6	cd/Im	-
Color	White	Gerber File	Available
Diameter	16 mm		
Height	10 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	-		
Status	Ready		



Ordering number FA10647
Description FA10647_Tina-MX6-M

Family	Tina	FWHM	34 degrees
Type	Lens	Efficiency	90 %
LED	MX-6	cd/Im	-
Color	White	Gerber File	Available
Diameter	16 mm		
Height	10 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape, glue		
Status	Ready		



Ordering number FA10839
Description FA10839_Tina-MX6-W

Family	Tina	FWHM	44 degrees
Type	Lens	Efficiency	92 %
LED	MX-6	cd/Im	-
Color	White	Gerber File	Available
Diameter	16 mm		
Height	10 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	-		
Status	Ready		



Ordering number FA10901
Description FA10901-Tina-MX6-WW

Family	Tina	FWHM	60 degrees
Type	Lens	Efficiency	92 %
LED	MX-6	cd/Im	-
Color	White	Gerber File	Available
Diameter	16 mm		
Height	10 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	-		
Status	Ready		

NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.

GENERAL INFORMATION

- Product series especially designed & optimized for MX-6 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance (105 degrees of Celcius / 220 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

- Fastening to heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: http://www.ledil.com/datasheets/DataSheet_TAPE.pdf

- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.

http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.

NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape is applied must be clean, dry and free from grease and dirt.

If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer - this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.

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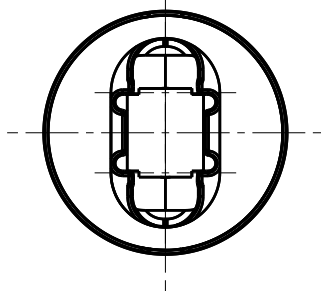
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B

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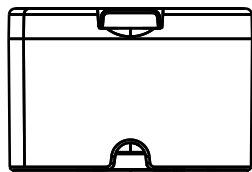
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Bottom view

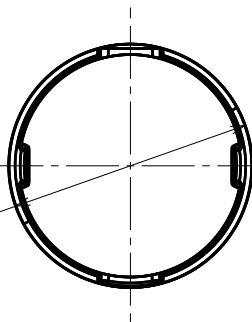
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Side view

Tape

3



Top view

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MATERIALS

Lens: PMMA

Holder: PC

Tape: PU Foam

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Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWING TITLE

Datasheet Assembly Tina MX-6 Series

DRAWN BY

pv

DATE

18.11.2009

CHECKED BY

sn

DATE

17.11.2009

DESIGNED BY

HH

DATE

22.07.2008

SIZE

A4

DRAWING NUMBER

REV

1

SCALE

2:1

WEIGHT (g)

-

SHEET

1/1

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