LISA2-M-CLIP

~20° medium beam optimized for LUXEON Rebel. 6.6 mm high variant with clip installation.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	6.6 mm
Fastening	glue, clips
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LISA2-M	Single lens	PMMA		
LISA2-HLD-CLIP16-RE	Holder	PC		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11072_LISA2-M-CLIP	Single lens	2000	300	100	1.4
» Box size:					

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Detail A
Scale: 8:1

Bottom view
Scale: 4:1

Materials:
Lens PMMA
Holder PC

Note:
Take tolerances into account when specifying positioning holes for PCB

Front view
Scale: 4:1

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DRAWN BY ah	DATE 20.7.2011	DRAWING TITLE Datasheet Lisa2-clip16-Rebel series Assy		
CHECKED BY sn	DATE 20.7.2011	SIZE A4	DRAWING NUMBER	REV 2
DESIGNED BY hh	DATE 19.10.2009	SCALE 4:1	WEIGHT(g)	SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON A
FWHM	32.0°
Efficiency	91 %
Peak intensity	1.900 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Rebel
FWHM	25.0°
Efficiency	90 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Rebel ES
FWHM	35.0°
Efficiency	93 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NCSxx19A
FWHM	26.0°
Efficiency	88 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LH181A
FWHM	27.0°
Efficiency	75 %
Peak intensity	2.400 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SAMSUNG

LED	LH181B
FWHM	28.0°
Efficiency	83 %
Peak intensity	2.500 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NVSxx19A
FWHM	28.0°
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	SFH 4770S
FWHM	27.0°
Efficiency	94 %
Peak intensity	3.320 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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GENERAL INFORMATION:

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

MATERIALS:

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Ledil:

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