

AL-xxM-033

Lens for Nichia NCSU033 Package



AL-08M-033	
Distribution Angle	8°
Base LED	NCSU033
Material	Silicone
Height	11.1mm
Width at Base	12mm
Color	Transparent
Status	Available



AL-30M-033	
Distribution Angle	25°
Base LED	NCSU033
Material	Silicone
Height	4.2mm
Width at Base	7.85mm
Color	Transparent
Status	Available

AL-xxM-033

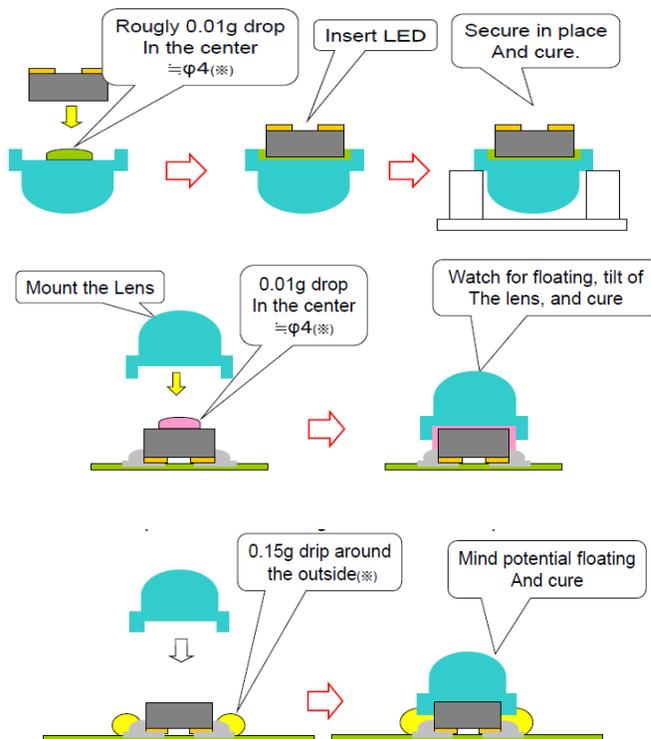
Lens for Nichia NCSU033 Package

Notes:

These products are designed with an optimized balance of high radiant output, even distribution, and a small form factor, designed to be used with NCSU033 package LEDs.

Attachment:

These lenses are not self-adhesive and must be attached using some type of adhesive or mechanical attachment. Some possible methods of adhesion are detailed below.



1) Attach LED to Lens before soldering to PCB. Invert, and use a silicone adhesive for optimal optical properties, and to avoid yellowing during any curing or soldering processes.

2) Attach LED to Lens following soldering to PCB. Once again, use a silicone adhesive for optimal optical properties.

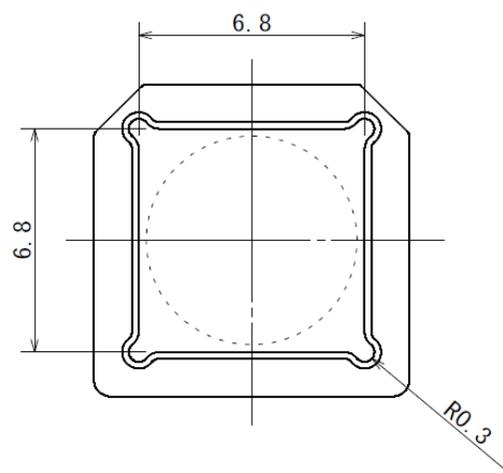
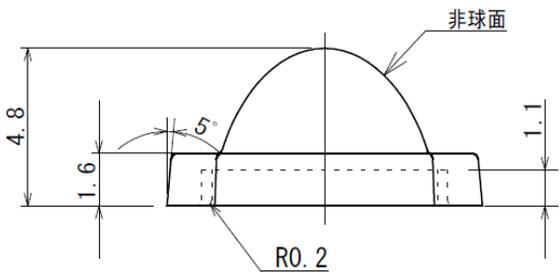
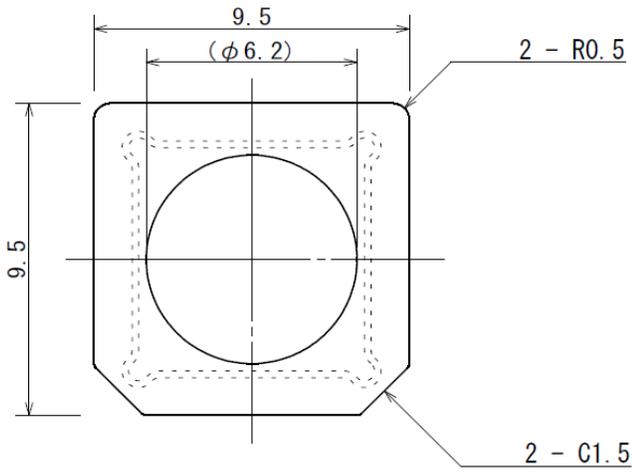
3) Attach the lens to the LED surrounding the PCB. The composition of the adhesive in this case is less critical as long as adhesion is achieved.

Note: Different adhesives can lend slightly different optical properties to the lens+LED Assembly. Please contact a sales representative for a list of recommended adhesives.

○ SPECIFICATIONS <仕様図>	SURFACE TREATMENT <表面処理>	SYM	DATE	REVISION	REVR	APPR
	HEAT TREATMENT <熱処理>	△ ×				
	FINISH <仕上げ>	△ ×				
REFERENCE <参考図>		△ ×				

A
B
C
D
E
F
100
90
80
70
60
50
40
30
20
10
0

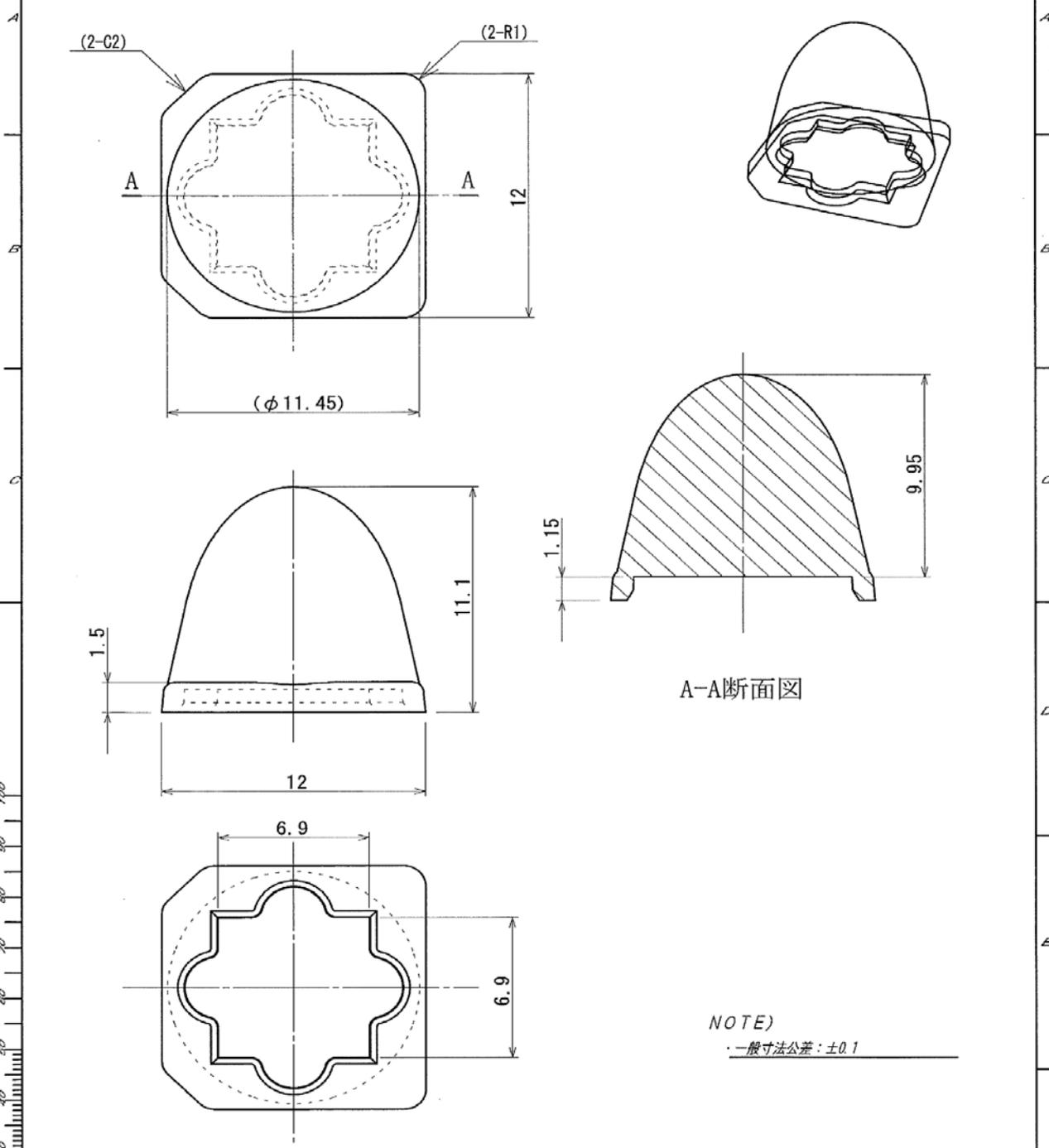
CAD
2RD
Drawing Paper for Rubber Parts



※レンズ形状は参考形状となります。

TOLERANCE UNLESS SPECIFIED				ORIGINAL DATE	MATERIAL (COMPOUND)	TITLE				
RANGE	A	B	⊙	13/10/01	シリコン	AL-30M-033				
LESS THAN 6	±0.2	±0.3	±0.1	SCALE	COLOR	DRAWING NO.				
OVER 6 TO 20	±0.3	±0.2	±0.1	5:1	透明	13100101T				
OVER 20 TO 50	±0.5	±0.3	±0.2	SIZE	HARDNESS	DESIGN				
OVER 50 TO 100	±1.0	±0.5	±0.3	A4	—	DRAWN				
OVER 100 TO 300	±2.0	±1.0	±0.5	3RD ANGLE SYSTEM		CHECKED				
OVER 300 TO 500	±5.0	±2.5	±1.0			APPROVED				
ANGLE	±2°					S. Tonegawa S. Tonegawa T. Kanahira M. Tasaki				
		株式会社朝日ラバー								

○	SPECIFICATIONS <仕様図>	SURFACE TREATMENT <表面処理>	SYM	DATE	REVISION	REVR	APPR
	REFERENCE <参考図>	HEAT TREATMENT <熱処理>	△×				
		FINISH <仕上げ>	△×				



A-A断面図

NOTE)
一般寸法公差: ±0.1

TOLERANCE UNLESS SPECIFIED <table border="1"> <tr><th>RANGE</th><th>A</th><th>B</th><th>C</th></tr> <tr><td>LESS THAN 6</td><td>±0.2</td><td>±0.1</td><td>±0.1</td></tr> <tr><td>OVER 6 TO 20</td><td>±0.3</td><td>±0.2</td><td>±0.1</td></tr> <tr><td>OVER 20 TO 50</td><td>±0.5</td><td>±0.3</td><td>±0.2</td></tr> <tr><td>OVER 50 TO 100</td><td>±1.0</td><td>±0.5</td><td>±0.3</td></tr> <tr><td>OVER 100 TO 300</td><td>±2.0</td><td>±1.0</td><td>±0.5</td></tr> <tr><td>OVER 300 TO 500</td><td>±5.0</td><td>±2.5</td><td>±1.0</td></tr> </table>	RANGE	A	B	C	LESS THAN 6	±0.2	±0.1	±0.1	OVER 6 TO 20	±0.3	±0.2	±0.1	OVER 20 TO 50	±0.5	±0.3	±0.2	OVER 50 TO 100	±1.0	±0.5	±0.3	OVER 100 TO 300	±2.0	±1.0	±0.5	OVER 300 TO 500	±5.0	±2.5	±1.0	ORIGINAL DATE 2013/9/2	MATERIAL (COMPOUND)	TITLE AL-8M-033 製品図
	RANGE	A	B	C																											
	LESS THAN 6	±0.2	±0.1	±0.1																											
	OVER 6 TO 20	±0.3	±0.2	±0.1																											
	OVER 20 TO 50	±0.5	±0.3	±0.2																											
OVER 50 TO 100	±1.0	±0.5	±0.3																												
OVER 100 TO 300	±2.0	±1.0	±0.5																												
OVER 300 TO 500	±5.0	±2.5	±1.0																												
SCALE 4:1	UNIT mm	COLOR	DRAWING NO. 13090202M																												
SIZE A4	3RD ANGLE SYSTEM	HARDNESS	DESIGN T. Motoyanagi																												
 株式会社朝日ラバー		DRAWN T. Motoyanagi	CHECKED T. Kanahira																												
ANGLE ±2°		APPROVED M. Tasaki																													

Distribution Data

