

AL-xxM-275

Lens for Nicha NCSU233 Package



AL-10M-275	
Distribution Angle	12°
Base LED	NCSU233
Material	Silicone
Height	10.5mm
Width at Base	10mm
Color	Transparent
Status	Available



AL-30M-275	
Distribution Angle	22°
Base LED	NCSU233
Material	Silicone
Height	9mm
Width at Base	10mm
Color	Transparent
Status	Available

AL-xxM-275

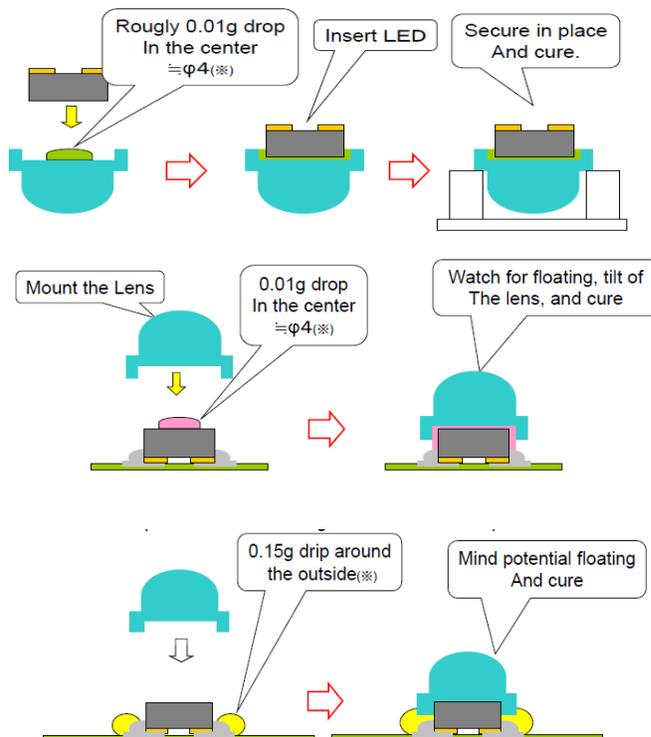
Lens for Nichia NCSU233 Package

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 NCSU233 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.



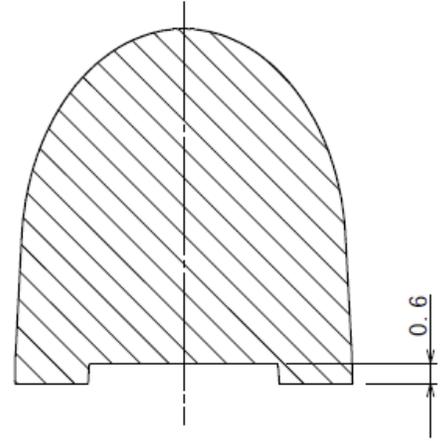
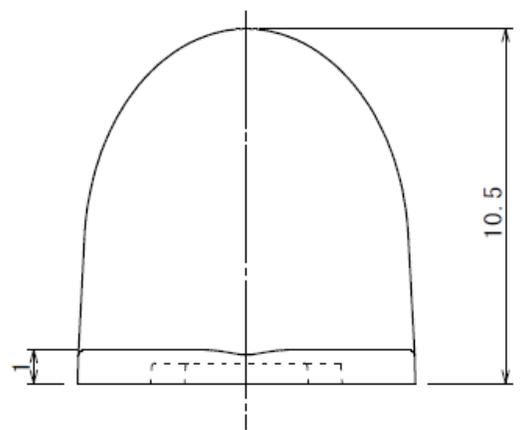
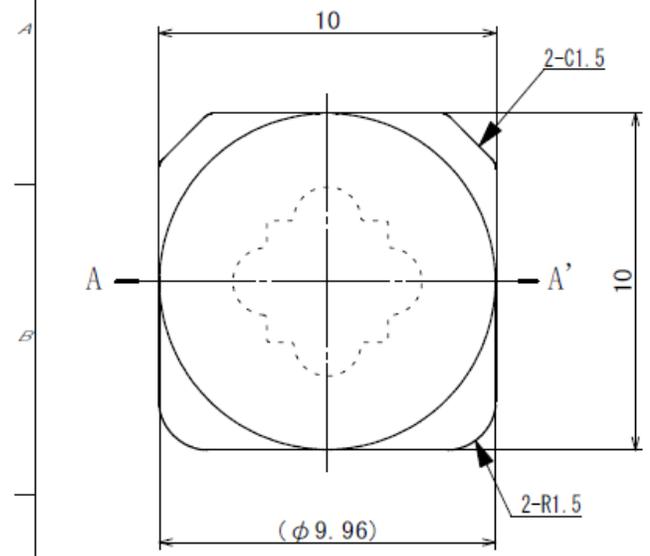
1) Attach LED to Lens before soldering to PCB. Invert, and use a silicone adhesive for optimal optical properties, and to avoid yellowing during any curing or soldering processes.

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

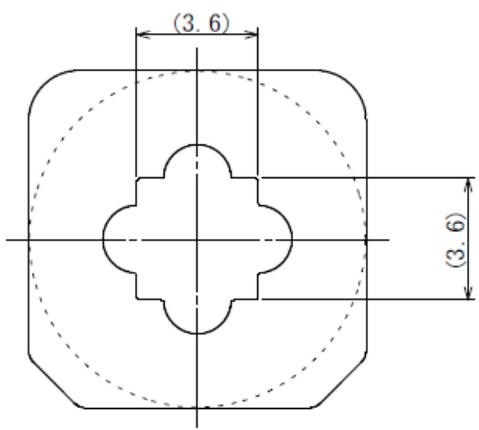
3) Attach the lens to the LED surrounding the PCB. The composition of the adhesive in this case is less critical as long as adhesion is achieved.

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>	1 x				
	FINISH <仕上げ>	2 x				
REFERENCE <参考図>		3 x				



A-A' 断面



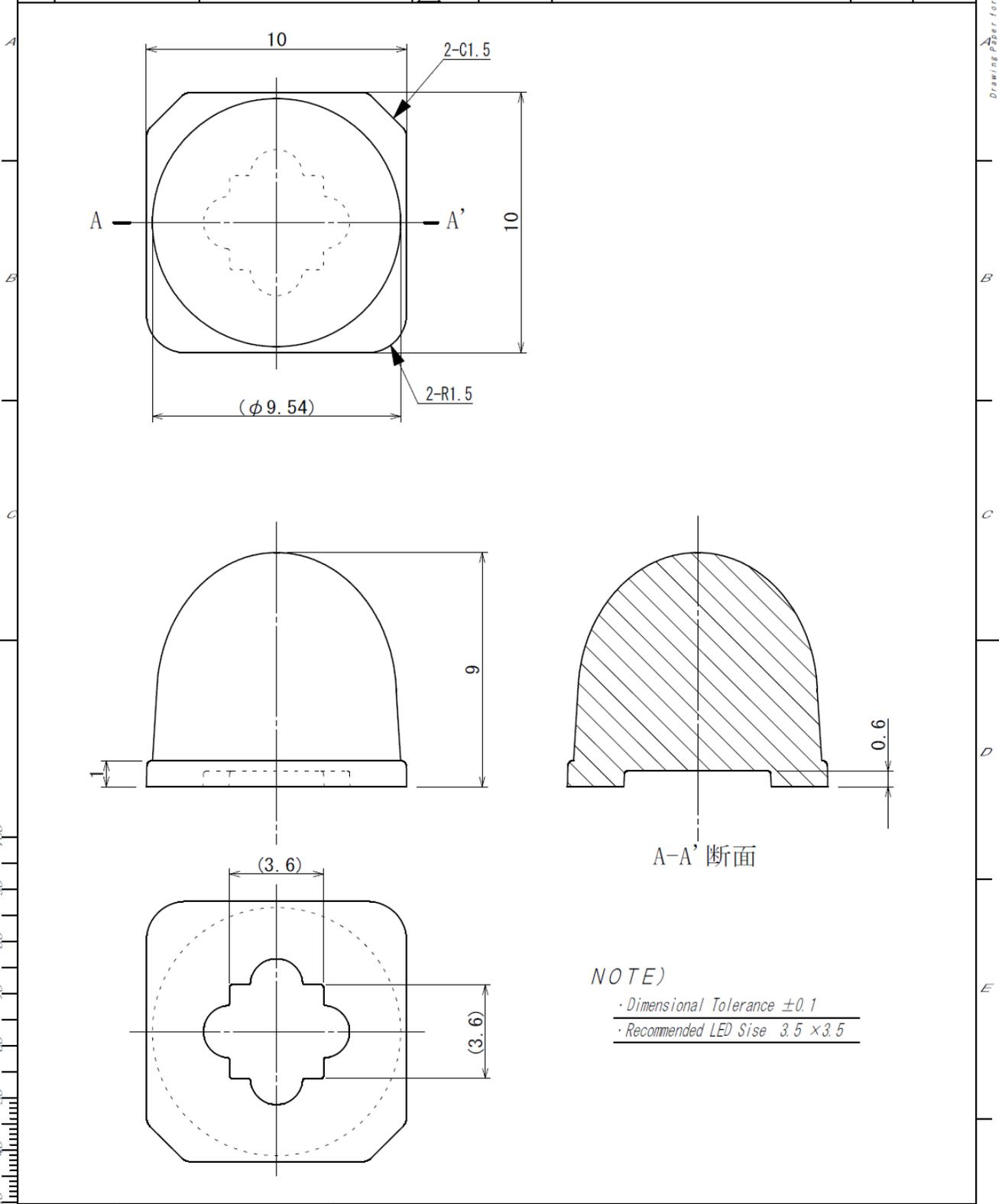
NOTE)
 ・ Dimensional Tolerance ± 0.1
 ・ Recommended LED Size 3.5 x 3.5

100
90
80
70
60
50
40
30
20
10
0

TOLERANCE UNLESS SPECIFIED			
RANGE	A	B	C
LESS THAN 6	± 0.2	± 0.1	± 0.1
OVER 6 TO 20	± 0.2	± 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
ANGLE	$\pm 2^\circ$		

ORIGINAL DATE 2013/04/27	MATERIAL (COMPOUND) Dimethyl Silicone	TITLE AL-10M-275
SCALE 5:1	COLOR Transparency	DRAWING NO. 13042703M
UNIT mm	HARDNESS (A80)	DESIGN T. Motoyanagi
SIZE A4	3RD ANGLE SYSTEM	DRAWN T. Motoyanagi
		CHECKED T. Kanahira
株式会社朝日ラバー		APPROVED M. Tasaki

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



NOTE)
 ・Dimensional Tolerance ± 0.1
 ・Recommended LED Size 3.5 x 3.5

A4VT-031112

TOLERANCE UNLESS SPECIFIED				ORIGINAL DATE 2013/04/27		MATERIAL (COMPOUND) Dimethyl Silicone		TITLE AL-30M-275	
RANGE	A	B	C	SCALE 5:1	UNIT mm	COLOR Transparency		DRAWING NO. 13042702M	
LESS THAN 6	± 0.2	± 0.1	± 0.1	SIZE A4	3RD ANGLE SYSTEM	HARDNESS (A80)		DESIGN	DRAWN
OVER 6 TO 20	± 0.3	± 0.2	± 0.1			T. Motoyanagi	T. Motoyanagi	T. Kanahira	M. Tasaki
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	ASAHIRUBBER INC. 株式会社朝日ラバー					
ANGLE									

Drawing Paper for Rubber Parts

Distribution Data

