

Explanation of output alignment

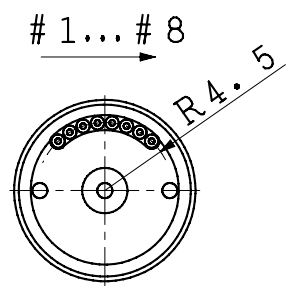
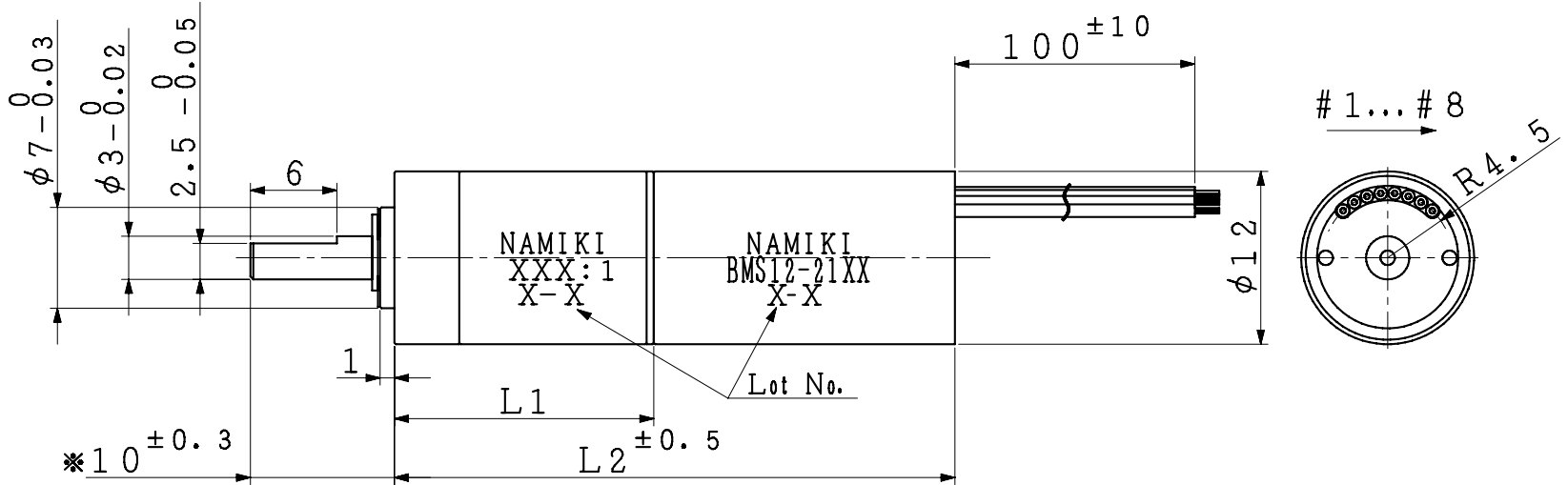
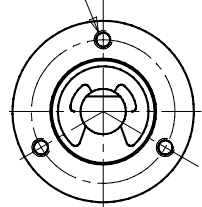
line of hall element The coil terminal

| No | Sym | Color  | No | Sym | Color |
|----|-----|--------|----|-----|-------|
| #1 | U   | Gray   | #5 | GND | Blue  |
| #2 | V   | Brown  | #6 | Hu  | White |
| #3 | W   | Yellow | #7 | Hv  | Black |
| #4 | Vdd | Orange | #8 | Hw  | Red   |

MOTOR LENGTH

| GEAR RATIO | L1   | L2   |
|------------|------|------|
| 3.5        | 14.2 | 35.2 |
| 4.8        | 14.2 | 35.2 |
| 12         | 18   | 39   |
| 23         | 18   | 39   |
| 58         | 21.8 | 42.8 |
| 107        | 21.8 | 42.8 |
| 509        | 25.7 | 46.7 |

3×M1.2×0.25  
DEPTH 3.5  
P.C.D. 9.5±0.05



NOTE 1) MARKED(\*) IS OUTPUT SHAFT LENGTH MEASURED WHEN IT IS PUSHED TO MOTOR SIDE.  
\*印寸法は出力軸をモータ側に押しつけた時の値を示す。

2) LOT NO.  
EXAMPLE) JANUARY, 2018  
[18-A]  
JANUARY: A, FEBRUARY: B... DECEMBER: L  
1月: A, 2月: B... 12月: L  
[ - ] : MADE IN THAILAND  
[ - ] 有り : 海外工場生産  
[ - ] NONE : MADE IN JAPAN  
[ - ] 無し : 国内工場生産  
THE END TWO DIGIT OF CHRISTIAN YEAR  
西暦年数末尾数字2桁

3) THE LEAD WIRE IS AWG28 UL3302.  
リード線はAWG28 UL3302を使用する。  
4) OUTSIDE DIAMETER IS NOT APPLIED TO THE CAULKING.  
外径寸法公差はカシメ部を除く。  
5) 3×M1.2 AND LEAD WIRE DRAWING POSITIONS ARE OUT OF DIMENSIONAL CONTROL.  
3×M1.2とリード線引き出し角度は寸法管理外とする。

| TOLERANCE     |        |          |          | △        | ×     |           |   |                 |      |       |
|---------------|--------|----------|----------|----------|-------|-----------|---|-----------------|------|-------|
| DIMENSION (±) |        |          |          | △        | ×     |           |   |                 |      |       |
|               | 0      | 1        | 2        | 3        | ANGLE |           |   |                 |      |       |
| L ≤ 6         | 0.05   | 0.1      | 0.1      | 0.2      | ±1°   | △         | × |                 |      |       |
| 6 < L ≤ 30    | 0.1    | 0.1      | 0.2      | 0.5      |       | △         | × |                 |      |       |
| 30 < L ≤ 120  | 0.15   | 0.2      | 0.3      | 0.8      |       | △         | × |                 |      |       |
| 120 < L       | 0.2    | 0.3      | 0.5      | 1.2      |       | △         | × |                 |      |       |
| MATERIAL      | FINISH |          | QTY.     | SCALE    | DATE  | NOTE      |   | DRW.            | CHK. | APPD. |
|               |        |          |          | 2/1      |       | BMS12-21P |   |                 |      |       |
|               |        |          |          | UNIT     | 1/1mm | TITLE     |   | Outline Drawing |      |       |
| APPD.         | CHK.   | DSGN.    | DRW.     | DWG. NO. |       |           |   |                 |      |       |
|               |        | Seino    | Seino    | REF. NO. |       |           |   |                 |      |       |
|               |        | 17-12-01 | 17-12-01 | CHK. NO. |       | REMARK    |   |                 |      |       |