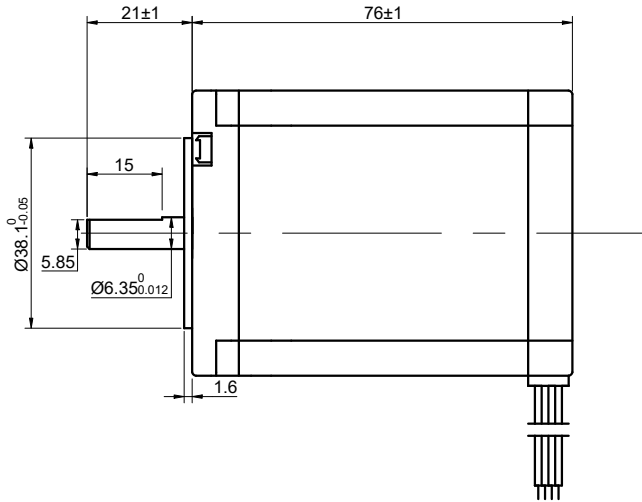
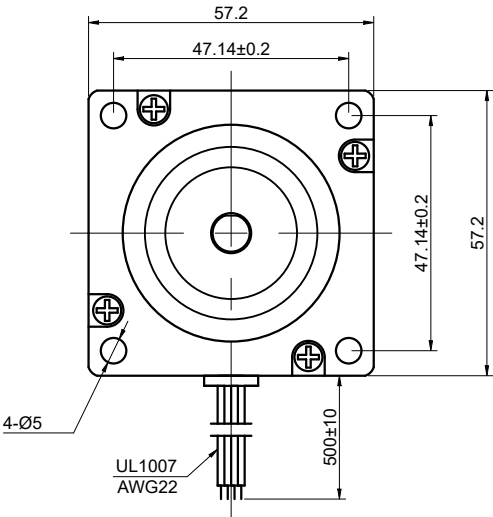




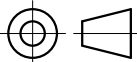
FULL STEP 2 PHASE-Ex.,WHEN FACING MOUNTING END (X)

| STEP | A+ | B+ | A- | B- | <div><div></div><div></div></div> | CCW<br><div></div> |
|------|----|----|----|----|-----------------------------------|--------------------|
| 1    | +  | +  | -  | -  |                                   |                    |
| 2    | -  | +  | +  | -  |                                   |                    |
| 3    | -  | -  | +  | +  |                                   |                    |
| 4    | +  | -  | -  | +  | CW                                |                    |

|                     |      |
|---------------------|------|
| UNIT mm             |      |
| GB/T 1804-M EQV.ISO |      |
| 2768-1 CLASS M:     |      |
| <=6                 | ±0.1 |
| >6~30               | ±0.2 |
| >30~120             | ±0.3 |
| >120~400            | ±0.5 |

| WINDING                                                                     |         |           | CONNECTION                  |                        |
|-----------------------------------------------------------------------------|---------|-----------|-----------------------------|------------------------|
| <div><div>A+</div><div>A-</div><div>B+</div><div>B-</div><div>M</div></div> |         |           | SPECIFICATION               | BIPOLAR                |
|                                                                             |         |           | AMPS/PHASE                  | 2.80                   |
|                                                                             |         |           | RESISTANCE/PHASE(Ohms)@25°C | 1.13±10%               |
|                                                                             |         |           | INDUCTANCE/PHASE(mH)@1KHz   | 4.80±20%               |
|                                                                             |         |           | HOLDING TORQUE(Nm)[lb-in]   | 2.00[17.70]            |
|                                                                             |         |           | STEP ANGLE(°)               | 1.80                   |
|                                                                             |         |           | STEP ACCURACY(NON-ACCUM)    | ±5.00%                 |
| PIN NO                                                                      | BIPOLAR | LEADS     | ROTOR INERTIA(g-cm²)        | 450                    |
| 1                                                                           | A+      | BLK       | WEIGHT(Kg)[lb]              | —                      |
| 2                                                                           | A-      | GRN       | AMBIENT TEMPERATURE         | -10°C~50°C[14°F~122°F] |
| 3                                                                           | B+      | RED       | INSULATION CLASS            | B 130°C[266°F]         |
| 4                                                                           | B-      | BLU       | TEMPERATURE RISE            | MAX.80°C               |
|                                                                             |         |           | STEPPER MOTOR               |                        |
| DRN                                                                         | YSX     | 1.13.2026 |                             |                        |
| APVD                                                                        | LJ      | 1.13.2026 |                             |                        |
| SIGNATURE                                                                   |         | DATE      |                             |                        |
|                                                                             |         |           | 23HP30-2804S                |                        |

**OSMTEC**®  
Stepper Motor Specialists



mm

UNITS

2:3

SCALE

DRN

YSX

1.13.2026

APVD

LJ

1.13.2026

SIGNATURE

DATE