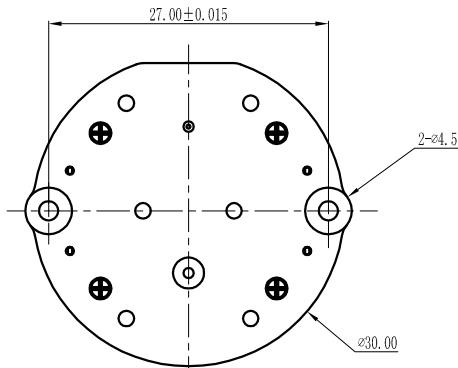
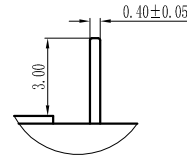
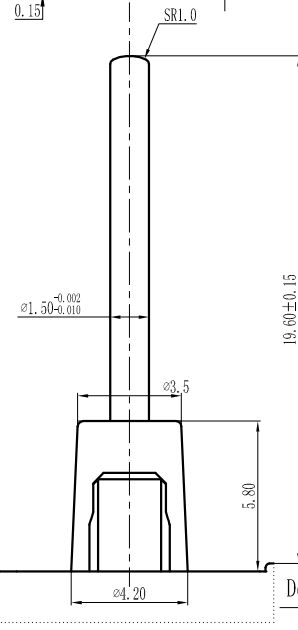
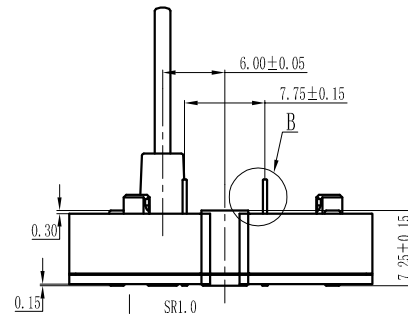
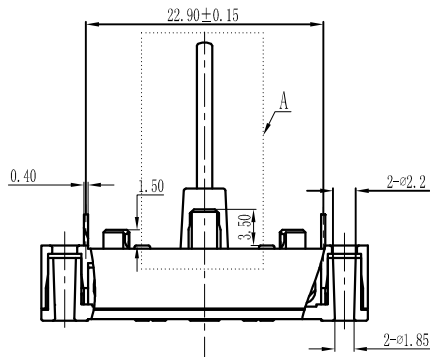
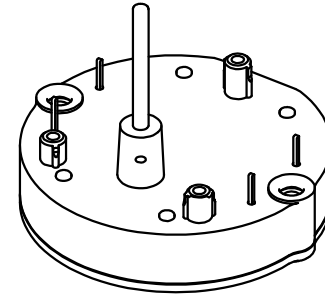


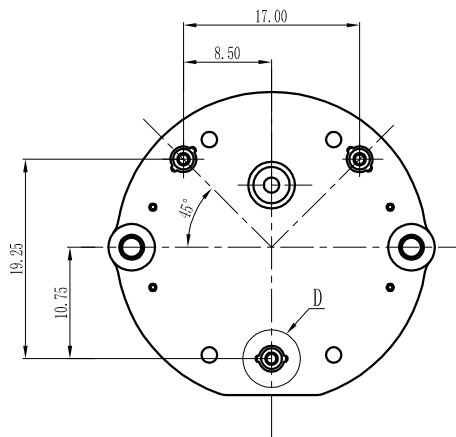
Detail D  
5 : 1



Detail B  
5 : 1



Detail A  
5 : 1



| Parameter                            | Sym. | Test Conditions | Min. | Type  | Max.      | Units   |
|--------------------------------------|------|-----------------|------|-------|-----------|---------|
| Operating Temperature                | Ta   |                 | -40  |       | 105       | ℃       |
| Coil Resistance                      | Rb   |                 | 260  | 280   | 300       | Ω       |
| Operating Current                    | Im   | fz=200Hz        |      | 15    | 20        | mA      |
| Magnetic Saturation Voltage          | Ubs  |                 |      |       | 9         | V       |
| Start-Stop Frequency                 | fss  | JL=2E-7Kg/m*2   |      |       | 200       | Hz      |
| Maximum Driving Frequency            | fm   | JL=2E-7Kg/m*2   |      |       | 600       | Hz      |
| Dynamic Torque                       | M200 | fz=200Hz        | 0.9  | 1.1   | See fig.3 | mNm     |
|                                      | M400 | fz=400Hz        | 0.75 | 0.9   |           | mNm     |
| Static Torque                        | Ms   | Ub=5V           | 3.5  | 4.0   |           | mNm     |
| Backlash                             | σ    |                 | 0.5  | 0.7   | 1.0       | Degree  |
| Axial Push-on Force on shaft         | FA   |                 | 100  | 120   |           | N       |
| Axial Pull-off Force on shaft        | Fa   |                 | 80   | 100   |           | N       |
| Radial Force on shaft                | Fp   |                 | 12   | 15    |           | N       |
| Imposed Acceleration                 | αp   |                 |      | 1,000 |           | Rad/s*2 |
| Holding Torque on shaft              | Th   |                 | 90   | 120   |           | mNm     |
| Maximum Inertia of the load on shaft | Jm   | see Table 4     |      |       |           | Kgm*2   |
| Noise Level                          | SPL  | see Fig.14      |      | 38    | 42        | dBA     |
| Angle of Rotation                    | β    |                 |      |       | 320       | Degree  |

\*\*\*Tamb=25℃,Ub=5V;unless otherwise specified\*\*\*

|             |        |          |         |            |      |                                                                                                                         |                |          |       |                                                                     |                                                                                       |  |
|-------------|--------|----------|---------|------------|------|-------------------------------------------------------------------------------------------------------------------------|----------------|----------|-------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
|             |        |          |         |            |      | DKA30-R7T                                                                                                               |                | DWG NO.  |       |                                                                     |                                                                                       |  |
|             |        |          |         |            |      |                                                                                                                         |                | WEIGHT   | g     | REV.                                                                | 01                                                                                    |  |
|             |        |          |         |            |      | PART NAME                                                                                                               | Motor Assembly | QUANTITY | 1     | SHEET 1 OF 1                                                        |                                                                                       |  |
| MARK        | NUMBER | DIVISION | ECN NO. | SIGANATURE | DATE |                                                                                                                         |                | MATERIAL | SCALE | 1:1                                                                 |  |  |
| DESIGN      |        |          |         | Q A        |      |  ShenZhen Bactrianus Motor Co. LTD |                |          |       | UNLESS OTHERWISE SPECIFIED                                          |                                                                                       |  |
| CHECK       |        |          |         | APPV'D     |      |                                                                                                                         |                |          |       | TOLERANCES ARE                                                      |                                                                                       |  |
| ENGINEERING |        |          |         | DATE       |      |                                                                                                                         |                |          |       | LINEAR 0.5 ± 0.02<br>5.10 ± 0.03<br>≥10 ± 0.05<br>ANGULAR ± 0.3deg. |                                                                                       |  |