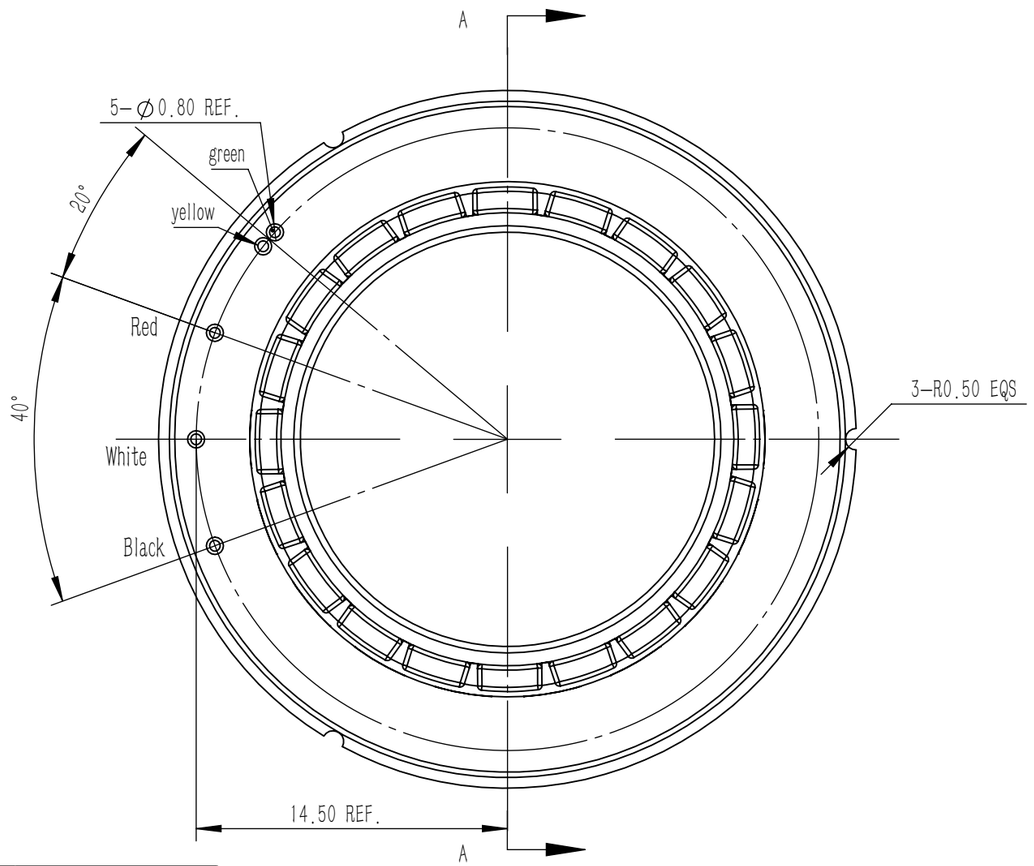
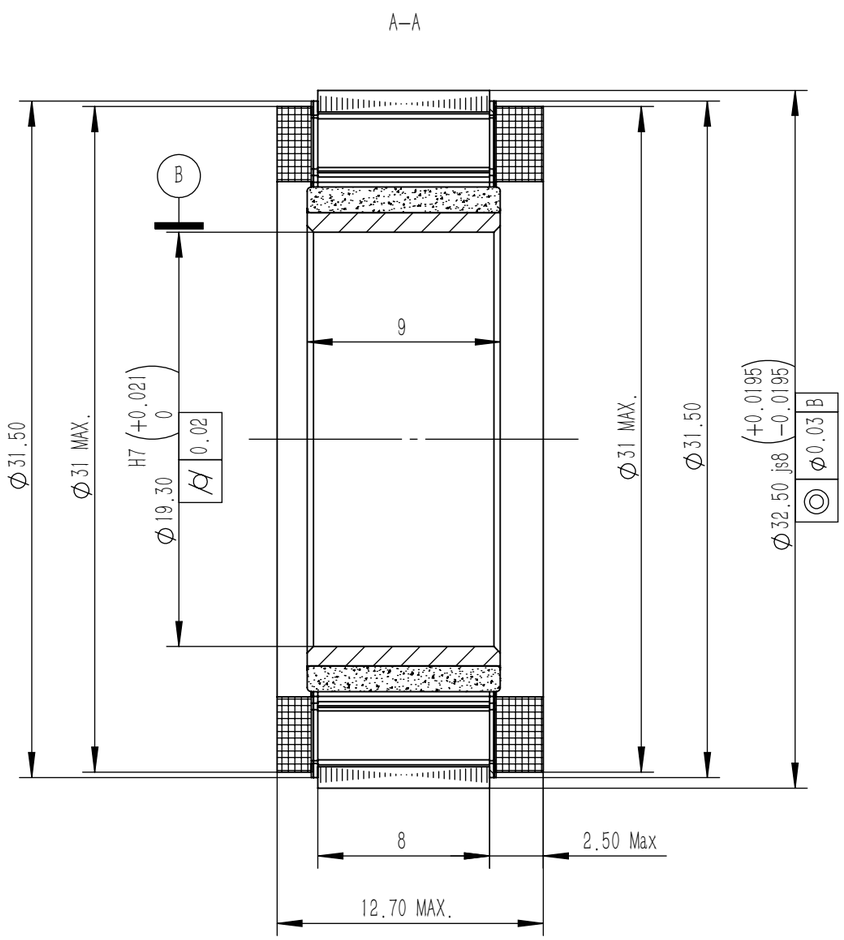
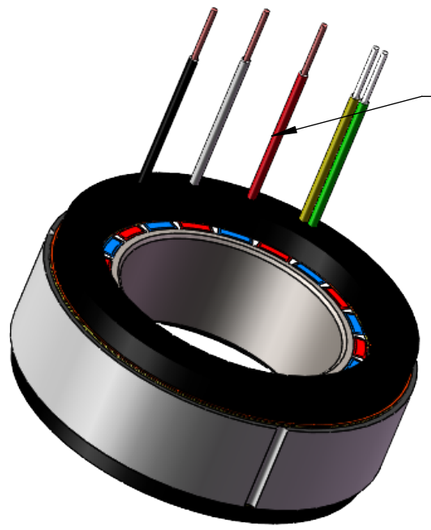
保密



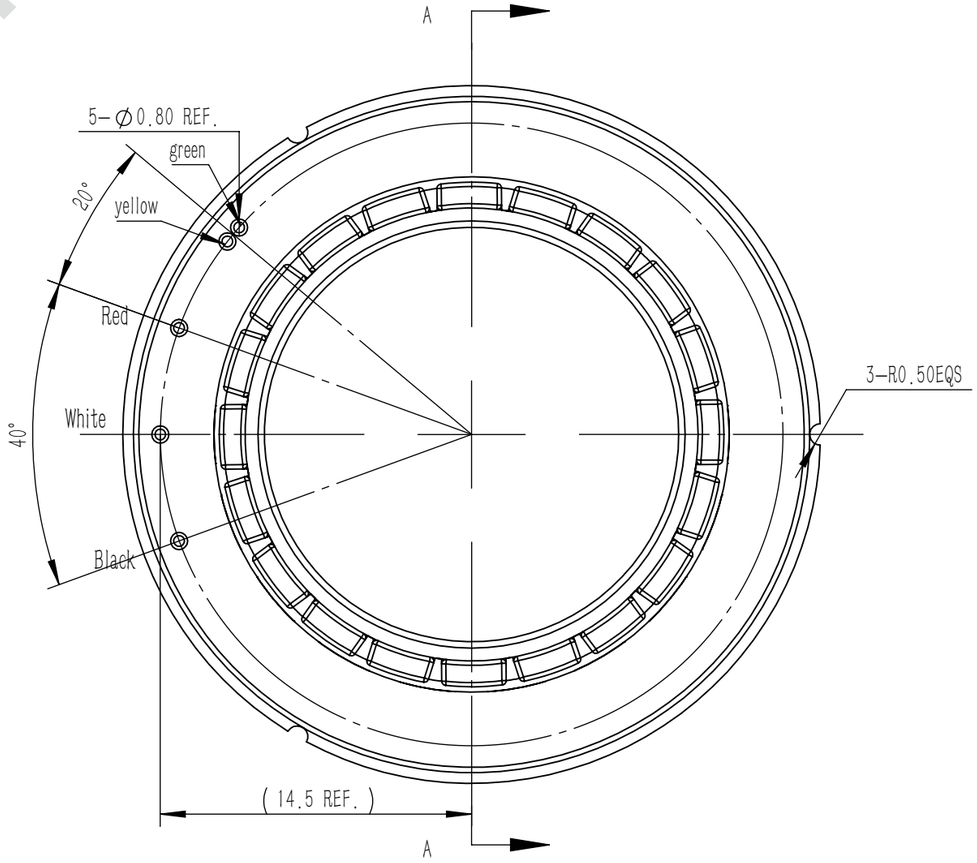

| Model | U3212 |
|---|---|
| DC voltage (VDC) | 24 |
| Rated output (W) | 36.65 |
| Rated torque (N.m) | 0.07 |
| Rated current(A) | 1.9 |
| Rated speed (rpm) | 5000 |
| Maximum speed (rpm) | 5500 |
| Instant max torque (N.m) | 0.2 |
| Instant max current (A) | 3.8 |
| Coil resistance (ohms@20℃) | 1.35 |
| Coil inductance (mH) | 0.19 |
| Torque parameters (Nm/A) | 0.036 |
| Back EMF coefficient (Vrms/KRPM) | 2.8 |
| Number of pole–pairs (2P) | 10 |
| Rotor inertia (Kg.cm2) | 0.008 |
| Winding connection way | Y |

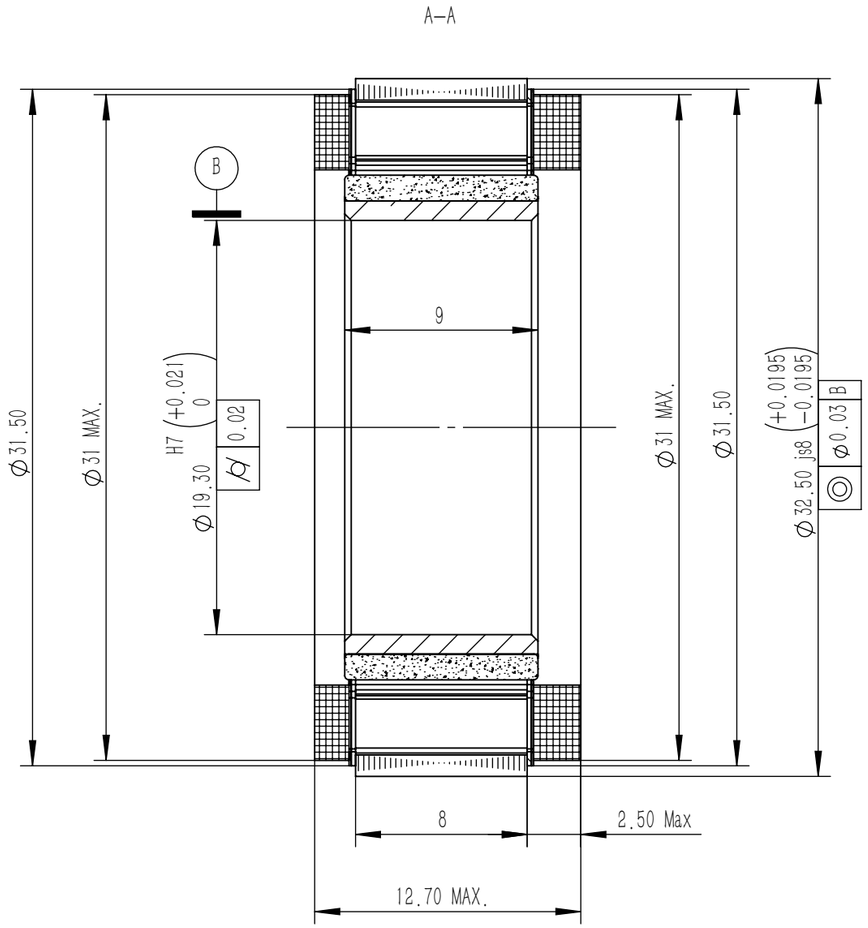


Wire.:#26AWG, Red,White,Black,corresponding to U, W, V
Wire length 250mm
NTC: CA–NTC24C018
Wire. #26AWG Yellow.:+,Green.:– Length.250mm

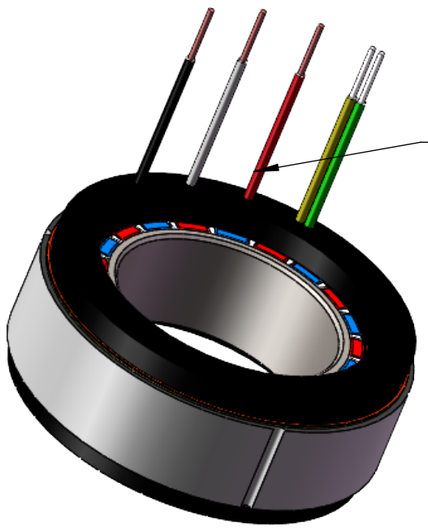
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MOSRAC强和电机 |
| | | | | | | Drawing Sign | Version V1.0 | U3212 Frameless Torque Motor |
| Marker | Place number | Drawing Zone | Rev.No. | Signature | Month-Day-Year | | Weight | WI–YF–U3212DJA01 |
| Designer | LZB | 2026/9/29 | Unification | | | | Scale | MOSRAC Motor R&D Department |
| Checker | | | Process Engineer | | | | | Perspective |
| Technical | | | Approval | | | Sheet of | | |

保密




| Model | U3212 |
|---|---|
| DC voltage (VDC) | 48 |
| Rated output (W) | 36.65 |
| Rated torque (N.m) | 0.07 |
| Rated current(A) | 1.9 |
| Rated speed (rpm) | 5000 |
| Maximum speed (rpm) | 5500 |
| Instant max torque (N.m) | 0.2 |
| Instant max current (A) | 3.6 |
| Coil resistance (ohms@20℃) | 4.17 |
| Coil inductance (mH) | 0.73 |
| Torque parameters (Nm/A) | 0.037 |
| Back EMF coefficient (Vrms/KRPM) | 4.9 |
| Number of pole–pairs (2P) | 10 |
| Rotor inertia (Kg.cm2) | 0.019 |
| Winding connection way | Y |



Wire:#26AWG, Red,White,Black,corresponding to U, W, V
Wire length 250mm
NTC: CA–NTC24C018
Wire: #26AWG Yellow:+,Green:– Length:250mm

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MOSRAC强和电机 |
| | | | | | | Drawing Sign | Version V1.0 | U3212 Frameless Torque Motor(48V) |
| Marker | Place number | Drawing Zone | Rev.No. | Signature | Month-Day-Year | | Weight | WI–YF–U3212DJA01 |
| Designer | LZB | 2026/9/29 | Unification | | | | Scale | MOSRAC Motor R&D Department |
| Checker | | | Process Engineer | | | | | Perspective |
| Technical | | | Approval | | | Sheet of | | |