# RSR20/20-CAB0



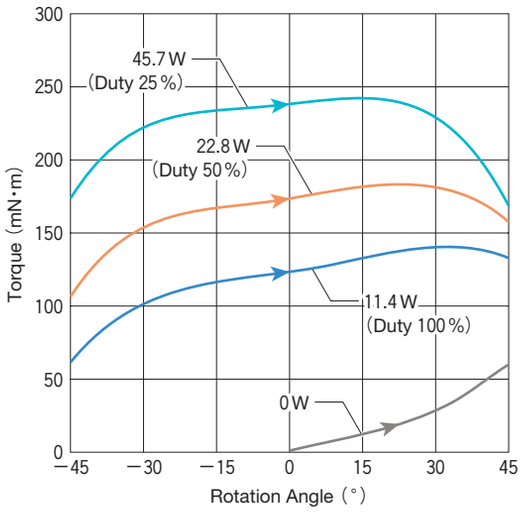
## ◆Main Specifications

| | |
|---|---|
| Heat-Resistant Class | Class E (120℃) |
| Coil Saturation Temperature Rise $\Delta\theta_s$ (at 20℃) | $\Delta\theta_s \fallingdotseq 7.0 \times W$ (℃)<br>$K \fallingdotseq 7.0$ (℃/watt) |
| Temperature Rise Time Constant $\tau$ | 7 (minutes) |
| Insulation Resistance | 500 V DC MEGA, 100 MΩ or more |
| Dielectric Strength | 1000 V AC, 50/60 Hz, 1 minute |
| Rotor Inertia | 18 (g·cm$^2$) |
| Mass | 280 (g) |

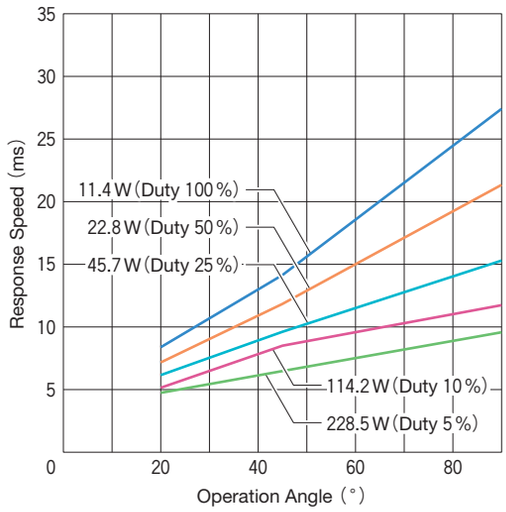
## ◆Coil Data

| Duty Cycle | 100 % | 50 % | 25 % | 10 % | 5 % |
|---|---|---|---|---|---|
| | Continuous | Intermittent | | | |
| Max. ON Time [sec.] | ∞ | 210.5 | 105.0 | 42.0 | 21.0 |
| Power at 20℃ [W] | 11.4 | 22.8 | 45.7 | 114.2 | 228.5 |
| Resistance at 20℃ [Ω] | Voltage [$V_{DC}$] | | | | |
| 6.2 〈standard〉 | 8.4 | 11.8 | 16.8 | 26.6 | 37.6 |
| 12.0 | 11.6 | 16.5 | 23.4 | 37.0 | 52.3 |
| 25.0 | 16.8 | 23.8 | 33.8 | 53.4 | 75.5 |
| 44.0 | 22.3 | 31.6 | 44.8 | 70.8 | 100.2 |

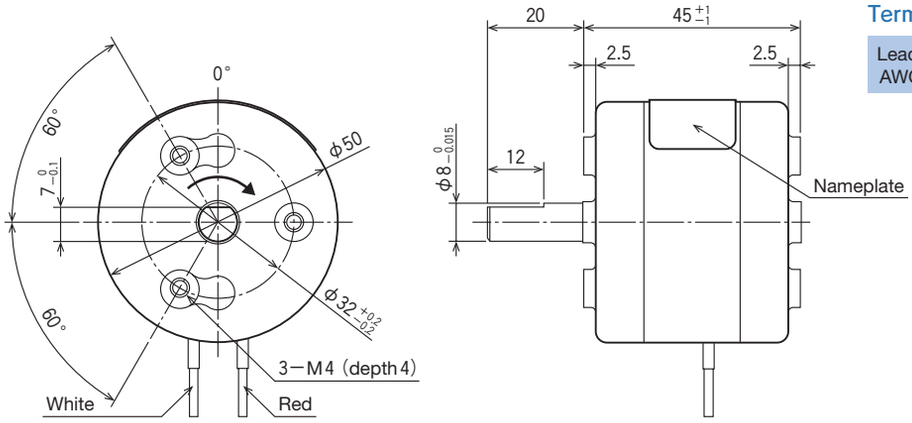
## ◆Torque Data




## ◆Response Data (Load Inertia : 35.01 g·cm$^2$)




## ◆External Dimensions (mm)




### Terminal Specifications

Lead Wire Length (mm) : 270
AWG Size: 22

The above drawing shows the rotary shaft positioned in the center (0°) of its rotation range.
When a positive electrode (+) is connected to the Red lead wire, and a negative electrode (−) to the White lead wire, the shaft rotates clockwise (in the direction shown by the arrow).