

0720RN

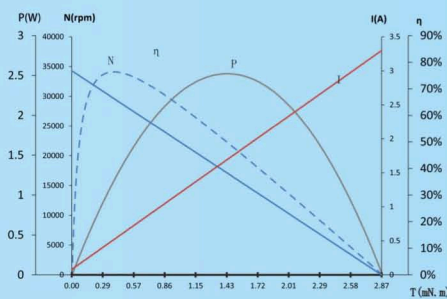
Precious metal commutation

Applications: Mini UAV, remote control toys, aerocrafts, mini household appliances and so on.

Characteristics

| | | | -61-8.0 | -64-8.0 | -33-3.0 | -39-3.0 | -42-3.0 | |
|----|-----------------------------|------------------|---------|---------|---------|---------|---------|--|
| 1 | Voltage | V | 3.2 | 3.4 | 3 | 3 | 3 | |
| 2 | Terminal resistance | Ω | 0.97 | 0.73 | 0.67 | 0.59 | 0.51 | |
| 3 | No-load speed | rpm | 34300 | 37160 | 42370 | 42300 | 44860 | |
| 4 | No-load current | mA | 80 | 100 | 100 | 120 | 190 | |
| 5 | Stall torque | mNm | 2.87 | 3.98 | 2.96 | 3.36 | 3.64 | |
| 6 | Stall current | mA | 3299 | 4658 | 4478 | 5085 | 5882 | |
| 7 | Load torque | mNm | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | |
| 8 | Load speed | rpm | 28320 | 32490 | 35210 | 36010 | 38690 | |
| 9 | Load current | mA | 641 | 672 | 839 | 858 | 973 | |
| 10 | Max. output power | W | 2.58 | 3.88 | 3.29 | 3.73 | 4.27 | |
| 11 | Max. efficiency | % | 73.13 | 74.52 | 74.07 | 73.44 | 69.60 | |
| 12 | Back-EMF constant | mV/rpm | 0.09 | 0.09 | 0.07 | 0.07 | 0.06 | |
| 13 | Torque constant | mNm/A | 0.87 | 0.85 | 0.66 | 0.66 | 0.62 | |
| 14 | Speed/torque gradient | rpm/mNm | 11961 | 9332 | 14315 | 12580 | 12341 | |
| 15 | Rotor inertia | gcm ² | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | |
| 16 | Weight | g | 3.3 | 3.9 | 3.9 | 3.9 | 3.9 | |
| 17 | Operating temperature range | °C | -20~+85 | -20~+85 | -20~+85 | -20~+85 | -20~+85 | |

Characteristics Curve

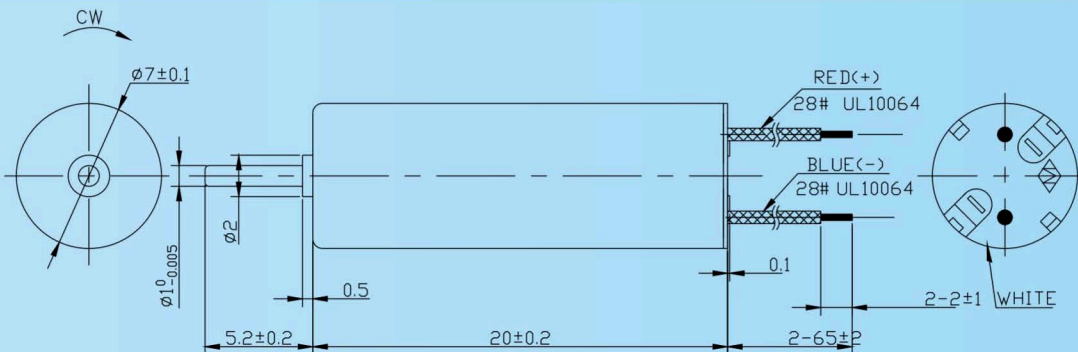


Model: 0720R2N57-47-65E7AL52-3.2

Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads

Outline Drawing



UNIT:mm