

# 22ZYN Rare Earth Magnet PMDC Motor

Magnet (磁铁) : Neodymium Iron 钕铁硼

Insulation Class 绝缘等级 : B , F

Protection 防护等级 : No

Shaft OD 出轴直径 : 2.5 mm

Bearing 轴承 : Ball/Sleeve

Winding 绕线选择 :

1. Voltage 工作电压范围 : 6 ~ 36VDC
2. Speed 额定转速范围 : 3,000 ~ 8,000 RPM
3. Power 输出功率范围 : 6 W



● **Motor Specifications ( 马达特性 )**

$Y[\text{oz-in}] = 0.141612 \times X[\text{mNm}]$

| MODEL<br>型号     | Voltage | No Load |         | Rated   |         |        |      |        | Stall |        |      | Motor length<br>mm |         |
|-----------------|---------|---------|---------|---------|---------|--------|------|--------|-------|--------|------|--------------------|---------|
|                 | Nominal | Speed   | Current | Speed   | Current | Torque |      | Output | Eff.  | Torque |      |                    | Current |
|                 | Vdc     | r / min | A       | r / min | A       | g*cm   | mN*m | W      | %     | g*cm   | mN*m |                    | A       |
| 22ZYN032-06-88  | 6       | 8820    | 0.18    | 7060    | 0.78    | 42     | 4.1  | 3.0    | 65    | 211    | 20.7 | 3.16               | 32      |
| 22ZYN032-9.5-88 | 9.5     | 8820    | 0.11    | 7000    | 0.48    | 41.5   | 4.1  | 3.0    | 65    | 207    | 20.3 | 1.96               | 32      |
| 22ZYN032-12-88  | 12      | 8820    | 0.09    | 7000    | 0.38    | 41     | 4.0  | 2.9    | 65    | 206    | 20.2 | 1.55               | 32      |
| 22ZYN032-24-88  | 24      | 8820    | 0.05    | 7000    | 0.2     | 42     | 4.1  | 3.0    | 63    | 210    | 20.6 | 0.79               | 32      |
| 22ZYN040-06-81  | 6       | 8100    | 0.182   | 6490    | 1.3     | 83     | 8.1  | 5.5    | 71    | 415    | 40.7 | 5.77               | 40      |
| 22ZYN040-9.5-81 | 9.5     | 8025    | 0.113   | 6420    | 0.81    | 84.5   | 8.3  | 5.6    | 72    | 422    | 41.4 | 3.62               | 40      |
| 22ZYN040-12-81  | 12      | 8054    | 0.09    | 6440    | 0.64    | 83     | 8.1  | 5.5    | 71    | 416    | 40.8 | 2.86               | 40      |
| 22ZYN040-24-81  | 24      | 8027    | 0.045   | 6420    | 0.32    | 82.7   | 8.1  | 5.4    | 71    | 413    | 40.5 | 1.42               | 40      |

● **Motor Dimensions ( 外形尺寸图 )**

