

1526...16MS... | 正齿轮系列 Spur Gearbox Series

应用领域：医疗器械、精密仪器、工业设备等领域。

Applications: medical equipment, scientific instruments, industrial equipment, etc.

工作温度范围 | Operating temperature range: -10~+80°C

配合电机类型 Matched Motor Type	齿轮工艺 Gear Processing Technology	齿轮组输出轴承 Gearbox Output Bearing
☐ 无刷电机 BLDC motor	☒ 金属加工 Metal CNC	☒ 含油轴承 Sleeve bearing
☒ 空心杯电机 Coreless motor	☒ 金属注塑 Metal injection	☐ 滚珠轴承 Ball bearing
☐ 铁芯电机 Cored motor	☐ 粉末冶金 Powder metallurgy	
☐ 步进电机 Step motor	☐ 塑胶注塑 Plastic injection	

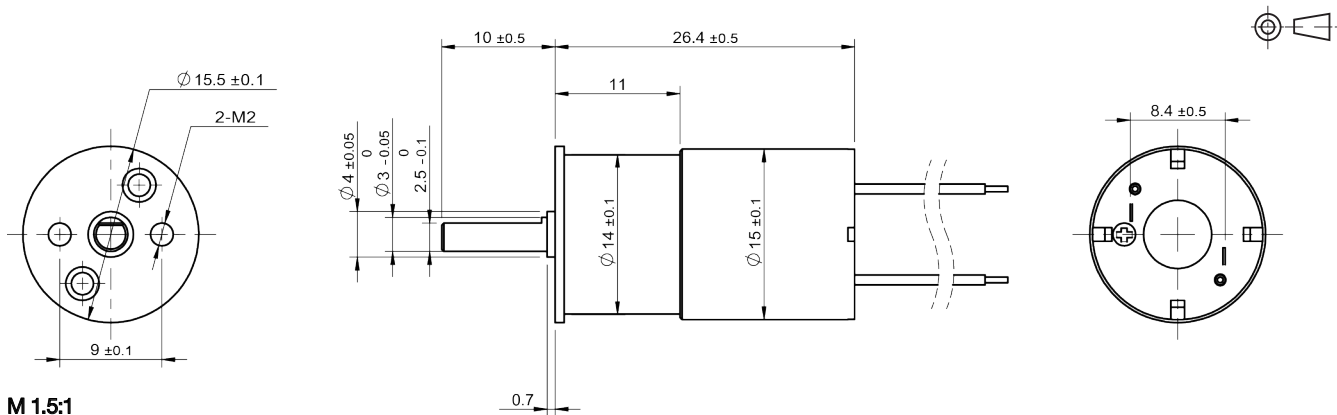
电机主要技术指标 | Motor Characteristics

1515N5M07-220-18.0-0012				
1 电压	Voltage	V	18.0	
2 端电阻	Terminal resistance	Ω	30.5	
3 空载转速	No-load speed	rpm	22000	
4 空载电流	No-load current	mA	30	
5 堵转转矩	Stall torque	mNm	4.15	
6 堵转电流	Stall current	mA	590	
7 额定转矩	Nominal torque	mNm	1.80	
8 额定转速	Nominal speed	rpm	12465	
9 额定电流	Nominal current	mA	270	
10 最大输出功率	Max. output power	W	2.39	
11 最大效率	Max. efficiency	%	60	
12 反电势常数	Back-EMF constant	mV/rpm	0.78	
13 转矩常数	Torque constant	mNm/A	7.42	
14 转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	5297	
15 转子惯量	Rotor inertia	gcm ²	0.8	
16 重量	Weight	g	11	

齿轮组主要技术指标 (金属加工) | Gearbox Characteristics (Metal CNC)

齿轮级数 Gearbox stages	减速比 Reduction ratio	最大额定转矩 Max. rated torque	瞬间允许转矩 Max. momentary torque	长度 Length (L)
		mNm	mNm	mm
2	3, 7, 10	20	60	11
4	16, 17, 20, 30, 35	30	90	11
4	50, 63	40	120	11
4	70, 86	50	150	11
5	115, 150	60	180	11
5	210, 250	70	210	11
5	360	80	240	11

外观图 | Outline Drawing



规格如有变更，恕不另行通知
Specification subject to change without notice