

2232N9M2B \varnothing 22mm*31.6mm, 贵金属电刷 Precious Metal Brushes

应用领域: 医疗、保健、汽车、机器人、工业自动化等精密驱动领域。

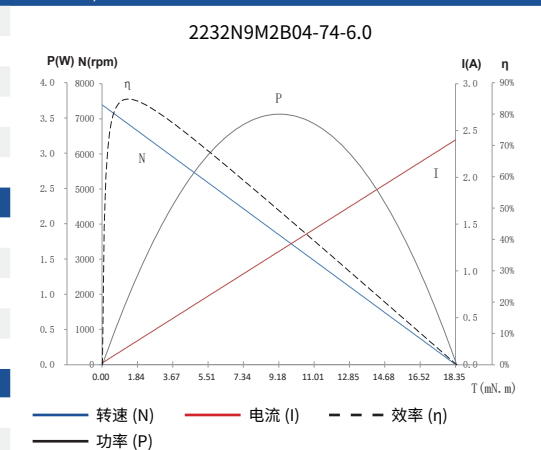
Applications: precision drives in medical equipment and devices, healthcare products, automotive, robotics, and industrial automation.

			04-74-6.0	05-99-9.0	04-110-12.0
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电机参数 / Motor Data						
1	电压	Voltage	V	6.0	9.0	12.0
2	端电阻	Terminal resistance	Ω	2.5	2.9	4.4
3	空载转速	No-load speed	rpm	7400	9900	11000
4	空载电流	No-load current	mA	15	20	20
5	堵转转矩	Stall torque	mNm	18.4	26.6	28.0
6	堵转电流	Stall current	mA	2400	3100	2730
7	额定转矩	Nominal torque	mNm	5.0	6.0	7.0
8	额定转速	Nominal speed	rpm	5380	7660	8250
9	额定电流	Nominal current	mA	660	720	700
10	最大输出功率	Max. output power	W	3.6	6.9	8.1
11	最大效率	Max. efficiency	%	85	85	84
12	反电势常数	Back-EMF constant	mV/rpm	0.8	0.9	1.1
13	转矩常数	Torque constant	mNm/A	7.7	8.6	10.3
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	400	400	400
15	转子惯量	Rotor inertia	gcm ²	4.4	4.4	4.4
16	重量	Weight	g	55	55	55

热参数 / Thermal Data				
17	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W	19.4
18	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W	21.7
19	热时常数 (电机)	Thermal time constant motor	s	383
20	热时常数 (线圈)	Thermal time constant winding	s	329
21	工作温度范围	Operating temperature range	$^{\circ}$ C	-20~+85
22	绕组耐温等级	Thermal class of winding	$^{\circ}$ C	130

特性曲线 / Characteristics Curve



机械参数 / Mechanical Data				
23	轴向间隙	Axial play	mm	0.02-0.15
24	径向间隙	Radial play	mm	0.025
25	动态轴向载荷	Axial load dynamic	N	2
26	静态轴向载荷	Axial load static	N	60
27	径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N	2

其它参数 / Other Specifications			
28	极对数	No. of pole pairs	1
29	滚动轴承	Ball bearings	2
30	换向结构	Number of commutator segments	9
31	防护等级	Protection class	IP40

可选配置 / Options

齿轮箱: 行星齿轮 齿轮组主要技术指标详见第 133 页
 Gearbox: planetary gearbox the main technical parameters are detailed on page 133

性能 Special coils: 连续运行范围内可定制 customizable in continuous operation range

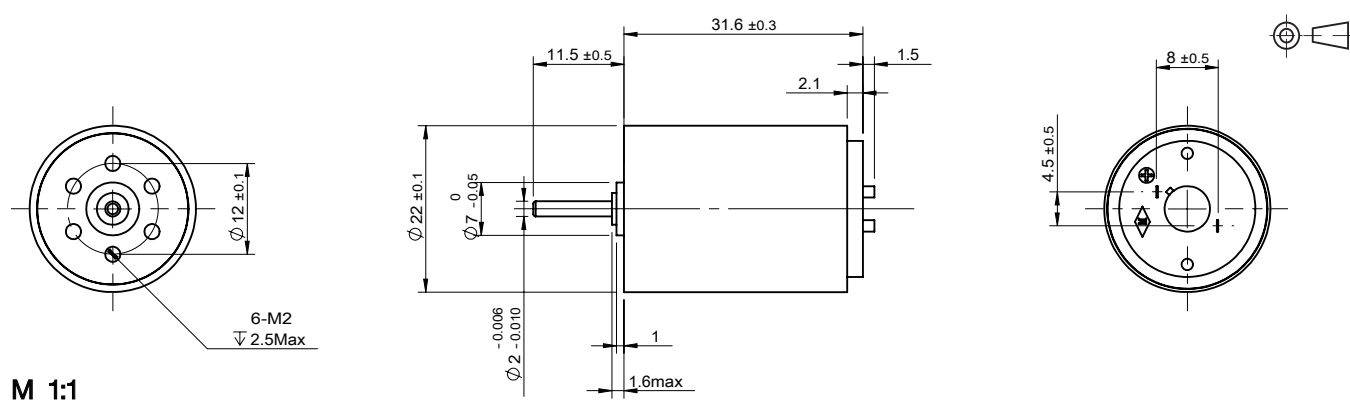
编码器 Encoder: 可定制 customizable upon request

法兰 Flange: 标准前后法兰 standard front and rear flanges / 定制法兰 custom flanges

轴 Shaft: 长度 length / 异形 shape

电气连接 Electrical connection: 端子或导线 connector or wire / 导线长度 lead wires length

外观图 / Outline Drawing



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