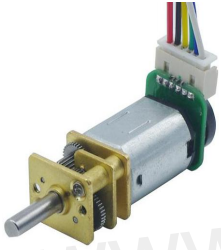


MODEL:12GFN20E



输出功率：约0.1~1.5W
精密金属齿轮减速电机

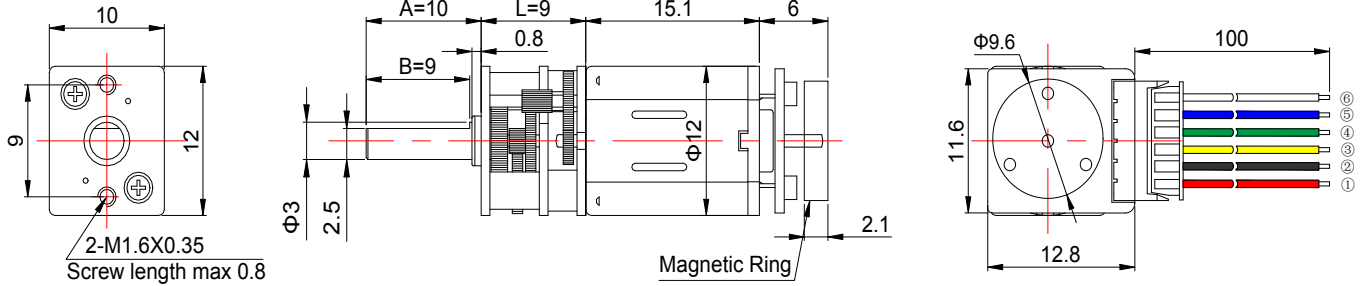
OUTPUT:APPROX 0.1~1.5W
Precision Metal Gear Motor

典型应用：电子门锁
智能家居
智能机器人
家用电器

Typical Applications: Electronic Door Lock
Smart Home Appliance
Smart Robot
Household Appliances

1.OUTLINE DRAWING:

UNIT:MM



ENCODER RESOLUTION:3PPR

Encoder connection:

- ①MOTOR"+" (RED)
- ②MOTOR"-" (BLACK)
- ③HALL SENSOR Vcc (YELLOW)
- ④HALL SENSOR A Vout (GREEN)
- ⑤ HALL SENSOR B Vout (BLACK)
- ⑥HALL SENSOR GND (WHITE)

Customizable Parameters:

1. Length L、A and B
2. Electric Performance
3. Output shaft specifications
4. Reduction Ratio

WEIGHT: 11.4g(Approx)

View:



2.GEARBOX REDUCTION RATIO:

Gearbox Length (mm)	Stage Number	Reduction Ratio						Rated Torque	Bearable Maximum Instant Torque
		g.cm							
9	2	3/1	5/1	10/1			200	500	
	3	17/1	20/1	30/1	36/1		300	600	
	4	50/1	75/1	100/1			400	800	
	5	150/1	210/1	250/1	298/1	380/1	500	1200	
12.5	7	625/1	1000/1				800	1600	

3.MOTOR PERFORMANCE :

1mN.m≈10.2g.cm≈0.142oz.in

MODEL	REDUCTION RATIO	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY				STALL	
		OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE	OUTPUT	TORQUE	CURRENT
			V	rpm	A	rpm	A	g.cm	W	g.cm	A
12GFN20-298-0675E	298/1	3.0~6.0	6.0	75	0.07	63	0.22	600	0.39	3868	1.07
12GFN20-150-06130E	150/1	3.0~6.0	6.0	130	0.06	100	0.22	350	0.36	1596	0.77
12GFN20-50-06310E	50/1	3.0~6.0	6.0	310	0.06	196	0.2	200	0.40	545	0.46
12GFN20-210-06133E	210/1	3.0~6.0	6.0	133	0.07	103	0.41	700	0.74	3160	1.61
12GFN20-30-061000E	30/1	3.0~6.0	6.0	1000	0.075	820	0.4	100	0.84	550	1.92
12GFN20-1000-0614E	1000/1	3.0~6.0	6.0	14	0.035	12.3	0.06	600	0.08	4968	0.33