



输出功率：约0.1~1.5W  
精密金属齿轮减速电机

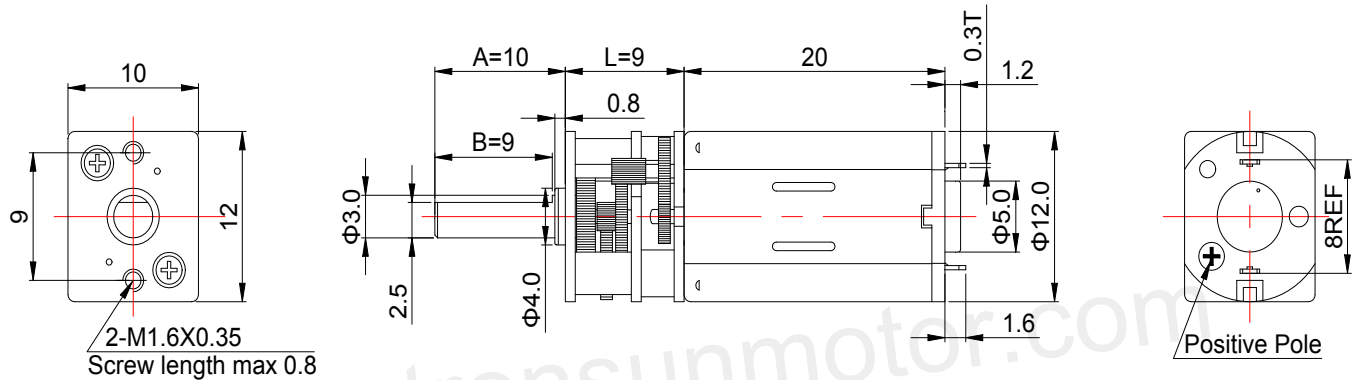
OUTPUT:APPROX 0.1~1.5W  
Precision Metal Gear Motor

典型应用： 电子门锁  
智能家居  
智能机器人  
电动玩具

Typical Applications: Electronic Door Lock  
Smart Home Appliance  
Smart Robot  
Electric Toys

## 1.OUTLINE DRAWING:

UNIT:MM



Customizable Parameters:

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

WEIGHT: 12.4g(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 $\approx$ 10.2g.cm $\approx$ 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
12GFN30-50-03300	50/1	2.0~4.0	3.0	300	0.075	252	0.36	140	0.36	875	1.87
12GFN30-100-05165	100/1	2.5~6.0	5.0	165	0.05	128	0.41	500	0.66	2240	1.65
12GFN30-150-06115	150/1	3.0~7.0	6.0	115	0.035	95	0.17	300	0.29	1823	0.82
12GFN30-298-0658	298/1	3.0~7.0	6.0	58	0.035	50	0.15	500	0.26	3620	0.82
12GFN30-100-09240	100/1	3.0~9.0	9.0	240	0.075	205	0.2	300	0.63	2110	1.15
12GFN30-1000-1212	1000/1	5.0~13.0	12.0	165	0.05	10.8	0.04	800	0.09	8385	0.23