



输出功率: 约0.1~5W  
精密金属齿轮无刷减速电机

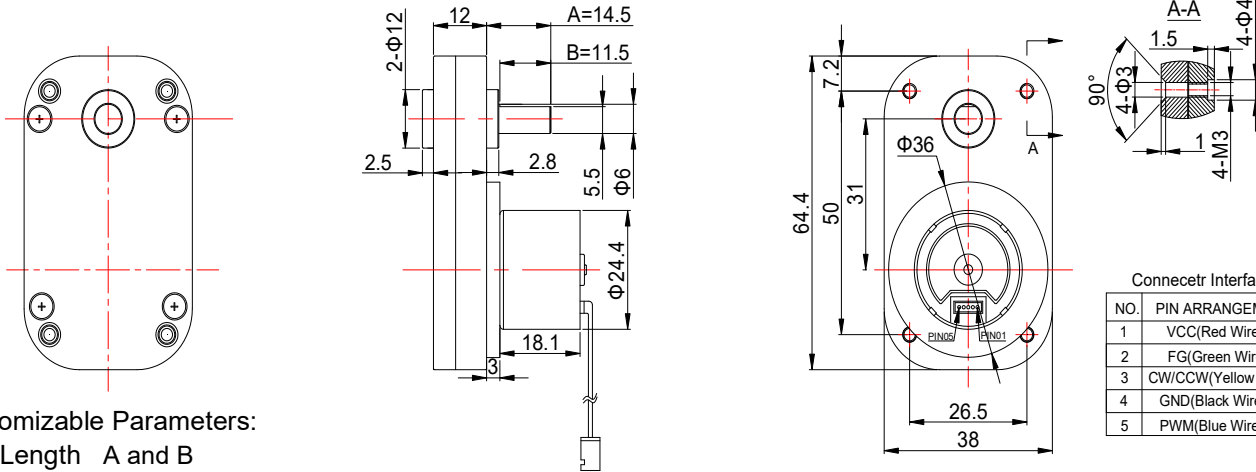
典型应用: 智能家居  
智能机器人  
自动售货机  
阀门

OUTPUT: APPROX 0.1~5W  
**Precision Metal Brushless Gear Motor**

Typical Applications: Smart Home Appliance  
Smart Robot  
Vending Machine  
Valve

## 1. OUTLINE DRAWING:

UNIT:MM



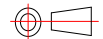
Customizable Parameters:

1. Length A and B
2. Electric Performance
3. Output shaft specifications

Connecter Interface

NO.	PIN ARRANGEMENT
1	VCC(Red Wire)
2	FG(Green Wire)
3	CW/CCW(Yellow Wire)
4	GND(Black Wire)
5	PWM(Blue Wire)

View:



WEIGHT: 155g(Approx)

## 2. GEARBOX REDUCTION RATIO:

Gearbox Length (mm)	Stage Number	Reduction Ratio						Rated Torque	Bearable Maximum Instant Torque	
									kg.cm	
64.4 x 38 x 12	3	36/1	40/1	60/1	67/1			3.0	6.0	
	4	85/1	90/1	114/1	120/1	200/1		6.0	10.0	
	4	96/1	101/1	128/1	135/1	225/1		8.0	15.0	
	5	400/1	450/1					10.0	20.0	

## 3. MOTOR PERFORMANCE :

1N.m  $\approx$  10.2kg.cm  $\approx$  14.2oz.in

MODEL	REDUCTION RATIO	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY				STALL	
		OPERATING RANGE	NOMINA	SPEED	CURRENT	SPEED	CURRENT	TORQUE	OUTPUT	TORQUE	CURRENT
			V	rpm	A	rpm	A	kg.cm	W	kg.cm	A
38GF2418-40-12160	40/1	8.0~15.0	12.0	160	0.06	120	0.18	0.6	0.74	2.5	0.52
38GF2418-135-1248	135/1	8.0~15.0	12.0	48	0.06	35	0.18	2.0	0.72	7.6	0.52
38GF2418-225-2440	225/1	8.0~25.0	24.0	40	0.07	29.5	0.2	5.0	1.51	19.3	0.59
38GF2418-450-2420	450/1	8.0~25.0	24.0	20	0.07	14	0.23	10.0	1.44	34.5	0.59