



# ET-SGM12-C

**Precise Metal Gear Motor**

WEIGHT: 11g(APPROX)

**Performance Range**

Voltage: 1.5~9VDC  
Speed: 1~1600rpm  
Torque: 0.1~6kg.cm

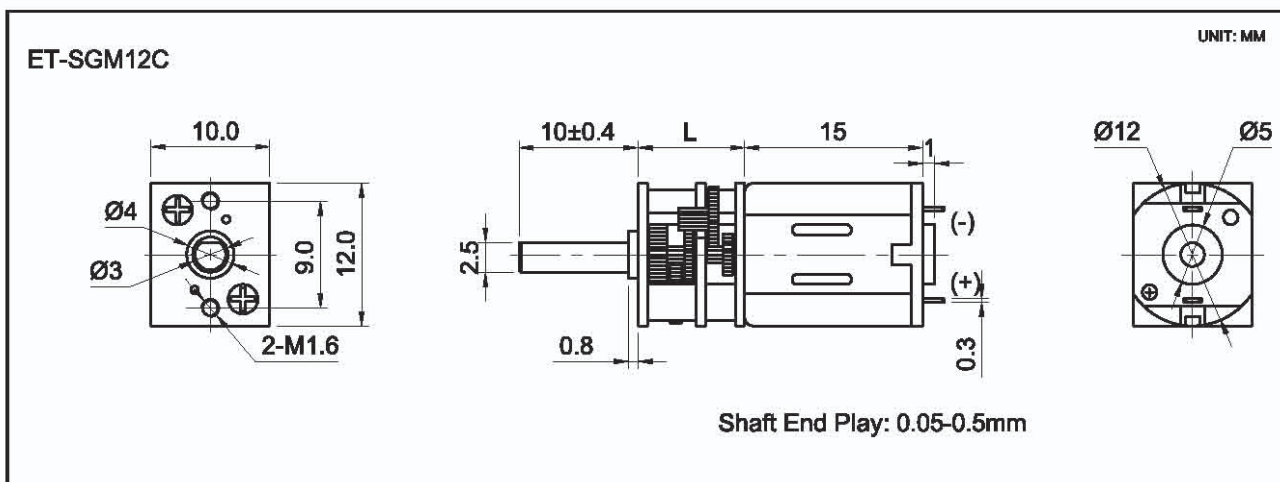
**Key Features**

Metal Brush  
CW/CCW Running  
Low Noise

**Typical Applications**

Electric Lock and Safebox  
Robotics and Acuator  
Electric Valve

Gear Ratio Stage	2	4	5	7
	10	20	150	625
Gear Ratio		30	210	1000
		50	250	
		100	298	
			380	
Gearbox Length(L)	9			12



MODEL	VOLTAGE		NO LOAD		AT RATED LOAD		
	OPERATION RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE
			r/min	A	r/min	A	kg.cm
ET-SGM12C-1.507	0.8-3.0	1.5VDC	7	≤0.03	4.8	≤0.07	0.40
ET-SGM12C-1.515	0.8-3.0	1.5VDC	15	≤0.03	10	≤0.11	0.18
ET-SGM12C-0330	1.5-5.0	3VDC	30	≤0.04	22	≤0.15	0.36
ET-SGM12C-4.545	1.5-6.0	4.5VDC	45	≤0.04	36	≤0.12	0.52
ET-SGM12C-0550	1.5-7.2	5VDC	50	≤0.03	40	≤0.21	0.62
ET-SGM12C-051500	1.5-7.2	5VDC	1500	≤0.05	1350	≤0.21	0.03
ET-SGM12C-05750	1.5-7.2	5VDC	750	≤0.05	675	≤0.21	0.05
ET-SGM12C-055500	1.5-7.2	5VDC	500	≤0.05	405	≤0.21	0.08
ET-SGM12C-05300	1.5-7.2	5VDC	300	≤0.05	240	≤0.21	0.13
ET-SGM12C-05150	1.5-7.2	5VDC	150	≤0.05	109	≤0.21	0.23
ET-SGM12C-05100	1.5-7.2	5VDC	100	≤0.05	72	≤0.21	0.34
ET-SGM12C-0660	1.5-9.0	6VDC	60	≤0.04	44	≤0.25	0.71
ET-SGM12C-0696	1.5-9.0	6VDC	96	≤0.12	89	≤0.20	0.40

**Remarks:**

1. Shaft dimension can be customized, we usually have 4.4mm, 8mm and 10mm stocks
2. The Voltage can be 1.5V, 3V, 4.5V, 5V, 6V, 9V; The DC Motor's speed is adjustable.
3. This gearbox can matched with other DC Motor.