



输出功率：约0.1~1.5W
精密金属齿轮减速电机

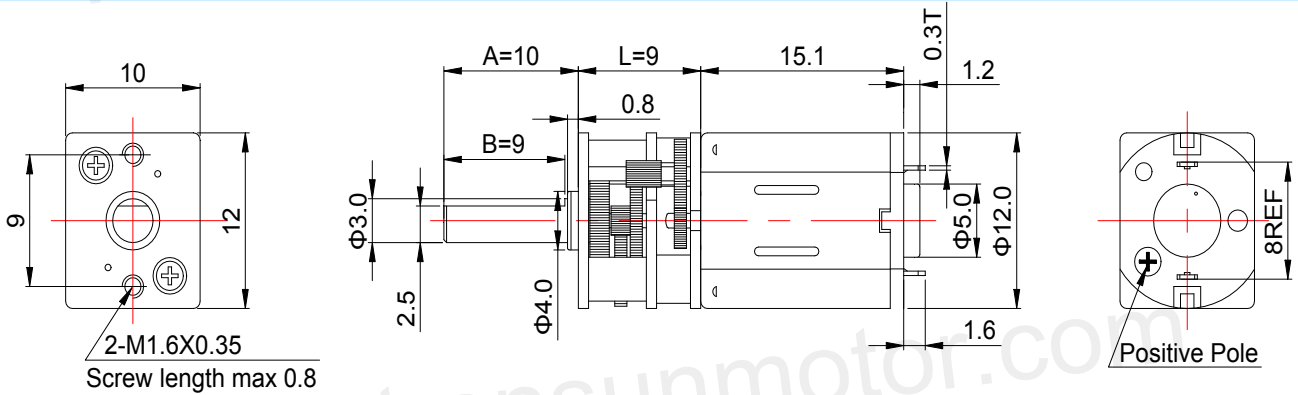
OUTPUT:APPROX 0.1~1.5W
Precision Metal Gear Motor

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

View:



WEIGHT: 9.8g(Approx)

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 |
| 12GFN20-150-03100 | 150/1 | 1.5~3.5 | 3.0 | 100 | 0.06 | 79 | 0.24 | 300 | 0.24 | 1480 | 0.98 |
| 12GFN20-298-0350 | 298/1 | 1.5~3.5 | 3.0 | 50 | 0.06 | 42 | 0.21 | 420 | 0.18 | 2650 | 0.98 |
| 12GFN20-30-06700 | 30/1 | 2.5~6.0 | 6.0 | 700 | 0.04 | 560 | 0.2 | 80 | 0.46 | 567 | 0.87 |
| 12GFN20-100-06210 | 100/1 | 2.5~6.0 | 6.0 | 210 | 0.04 | 168 | 0.21 | 200 | 0.34 | 990 | 0.87 |
| 12GFN20-50-06400 | 50/1 | 2.5~6.0 | 6.0 | 400 | 0.04 | 338 | 0.17 | 100 | 0.35 | 576 | 0.77 |
| 12GFN20-1000-0610 | 1000/1 | 3.0~7.0 | 6.0 | 10 | 0.015 | 8.5 | 0.04 | 600 | 0.05 | 4460 | 0.17 |
| 12GFN20-100-12260 | 100/1 | 3.0~13.0 | 12.0 | 260 | 0.04 | 216 | 0.13 | 230 | 0.51 | 1380 | 0.63 |