

MNLS0620PM-R080

內置超微型光學尺

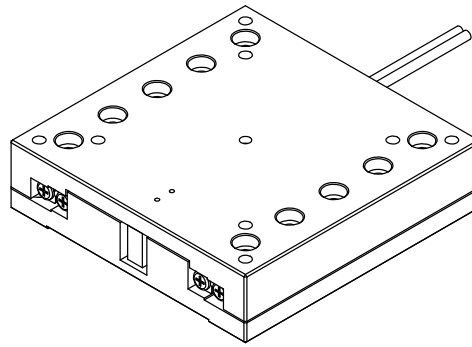
荷重 : 200 N (水平放置)

推力 : 3 N

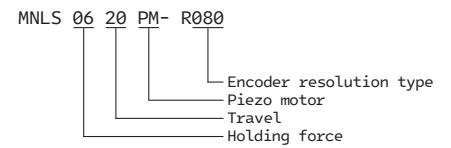
剎車力 : 6 N

解析度 : 80 nm

行程 : 20 mm

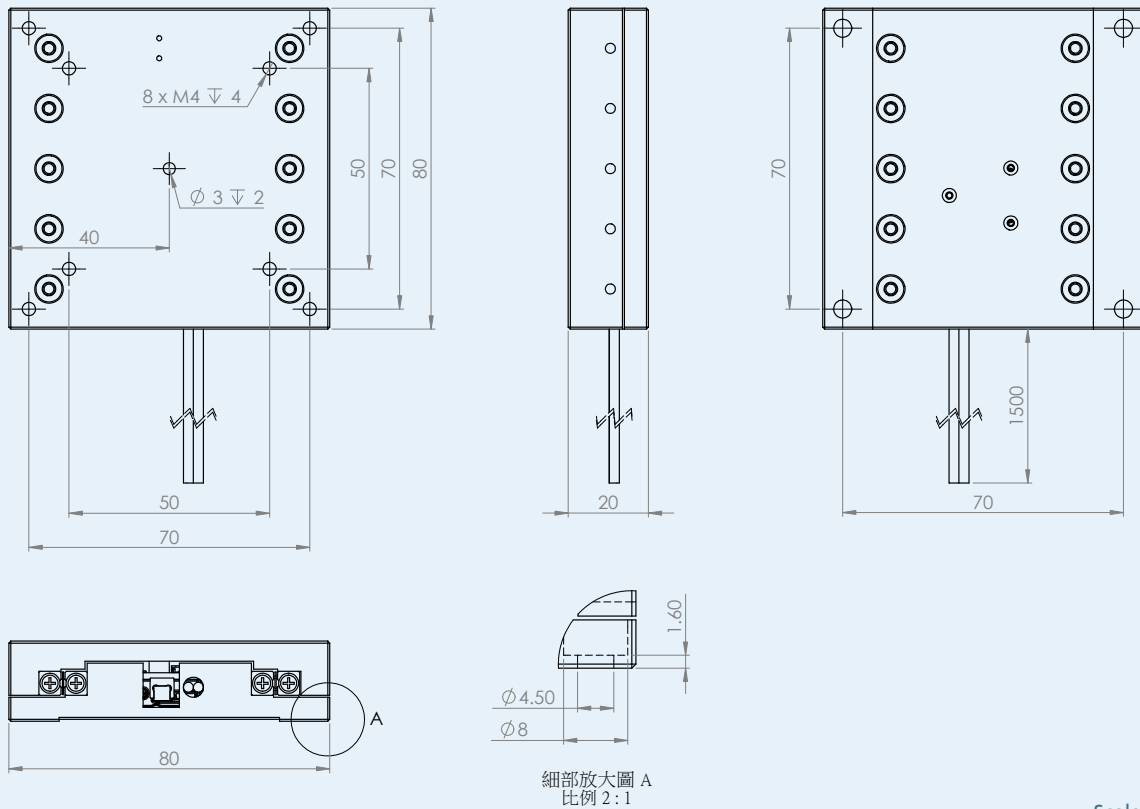


緊湊簡約設計，馬達不外露，便於機構空間配置
 搭配控制器做速度調整與閉迴路位置控制
 充分發揮壓電馬達特性，具零背隙效果，高響應加減速，斷電煞車作用



| Technical Specification | | |
|-------------------------|----------|--------|
| Size | 80*80*20 | mm |
| Travel | 20 | mm |
| Holding Force | 6 | N |
| Continuous Force | 3 | N |
| Loading Force | 200 | N |
| Speed | 10 | mm/sec |
| Resolution | 80 | nm |
| Straightness | ±1 | µm |
| Flatness | ±1.5 | µm |
| Accuracy | ±3 | µm |
| Repeatability | ±0.15 | µm |
| Pitch | 100 | µrad |
| Yaw | 60 | µrad |
| Motor | LL06 | |
| Controller | PMD401 | |

Dimensional drawing



Scale reduced mm

Motor Pin Assignment

Connector Type : JST 05SR-3S

| Pin | Color | Terminal |
|-----|--------|----------|
| 1 ▲ | Black | GND |
| 2 | Pink | Phase4 |
| 3 | Orange | Phase3 |
| 4 | Green | Phase2 |
| 5 | Yellow | Phase1 |

Encoder Pin Assignment (Single-ended)

Connector Type : JST 06SR-3S

| Pin | Color | Terminal |
|-----|--------|----------------------|
| 1 ▲ | Black | Quadrature Index I |
| 2 | Pink | GND |
| 3 | Orange | +5 V (max 200 mA) |
| 4 | Green | Quadrature Signal B+ |
| 5 | Yellow | Quadrature Signal A+ |
| 6 | Brown | NC |