



PM Type  
Motors

## Reference Characteristics

|                              |                                                 |                  |
|------------------------------|-------------------------------------------------|------------------|
| Motor Size                   | PM55L—048                                       |                  |
| Number of Steps per Rotation | 48 (7.5° / Step)                                |                  |
| Drive Method                 | 2 — 2 PHASE                                     |                  |
| Drive Circuit                | UNIPOLAR CONST. VOLT.                           | BIPOLAR CHOPPER  |
| Drive Voltage                | 24 [V]                                          | 24 [V]           |
| Current / Phase              |                                                 | 800 [mA]         |
| Coil Resistance / Phase      | 30 [ $\Omega$ ]                                 | 5.5 [ $\Omega$ ] |
| Drive IC                     | 25C3346                                         | UDN2916B — V     |
| Magnet Material              | Ferrite plastic magnet (MSPL)                   |                  |
|                              | Polar anisotropy ferrite sintered magnet (MS50) |                  |
|                              | Nd-Fe-B bonded magnet (MS70)                    |                  |
| Insulation Resistance        | 100M [ $\Omega$ ] MIN                           |                  |
| Dielectric Strength          | AC 500 [V] 1 [min]                              |                  |
| Class of Insulation          | CLASS E (U — except lead wire)                  |                  |
| Operating Temp.              | — 10 [°C] ~ 50 [°C]                             |                  |
| Storage Temp.                | — 30 [°C] ~ 80 [°C]                             |                  |
| Operating Hum.               | 20 [%] RH ~ 90 [%] RH                           |                  |

## Applications

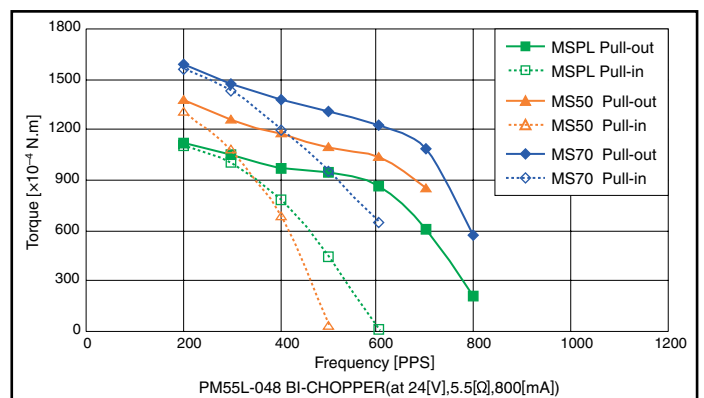
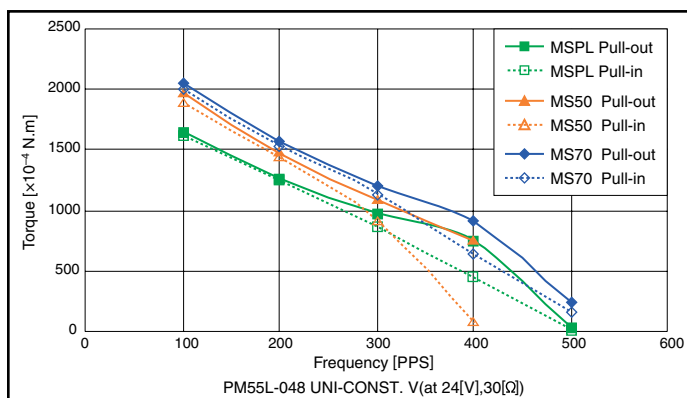
OA Equipment : Printers / Scanners

Industrial equipment : Flow control valves

Toys : Slot machines

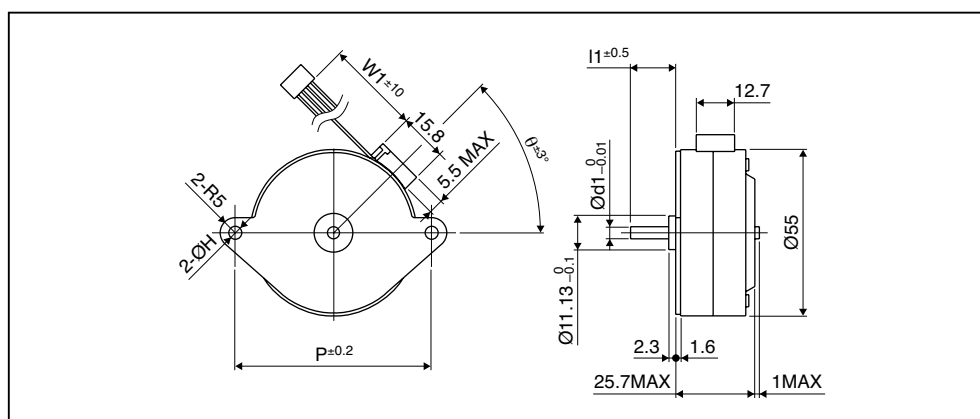
Home automation appliances : Sewing machines

## Torque Characteristics



These torque values are reference only. Heat radiation conditions and temperature rise effect by duty are different on each equipment, therefore please select motors after considering the actual equipment.

## Dimensions



Please contact our sales for inventory and lot information. Specification may be changed without notice.

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