

Minebea

Hybrid Stepping Motor with Gearbox Low Backlash Type (GT series) 42□

| 型式 Model | 定格電流 Rated Current (A) | 巻線抵抗 Resistance (Ohms) | ステップ角 Step Angle (deg) | 減速比 Gear Ratio (1 : X) | 許容トルク Permissible Torque (Nm (kgf · cm)) | 許容速度範囲 Permissible Speed Range (r/min) | バックラッシュ Backlash (min(deg)) | 質量 Mass (g) |
|---------------|------------------------------|------------------------------|------------------------------|------------------------------|--|--|-----------------------------------|-------------------|
| GT0036-17M000 | 1.0 | 3.1 | 0.5 | 1 : 3.6 | 0.35 (3.6) | 0 ~ 500 | 45 (0.75) | 340 |
| GT0072-17M000 | | | 0.25 | 1 : 7.2 | 0.7 (7.1) | 0 ~ 250 | 25 (0.417) | 340 |
| GT0100-17M000 | | | 0.18 | 1 : 10 | 1 (10.2) | 0 ~ 180 | 25 (0.417) | 340 |
| GT0200-17M000 | | | 0.09 | 1 : 20 | 1.5 (15.3) | 0 ~ 90 | 25 (0.417) | 340 |
| GT0300-17M000 | | | 0.06 | 1 : 30 | 1.5 (15.3) | 0 ~ 60 | 25 (0.417) | 340 |

*ドライブ方式：ユニポーラ

* Drive Sequence : Unipolar

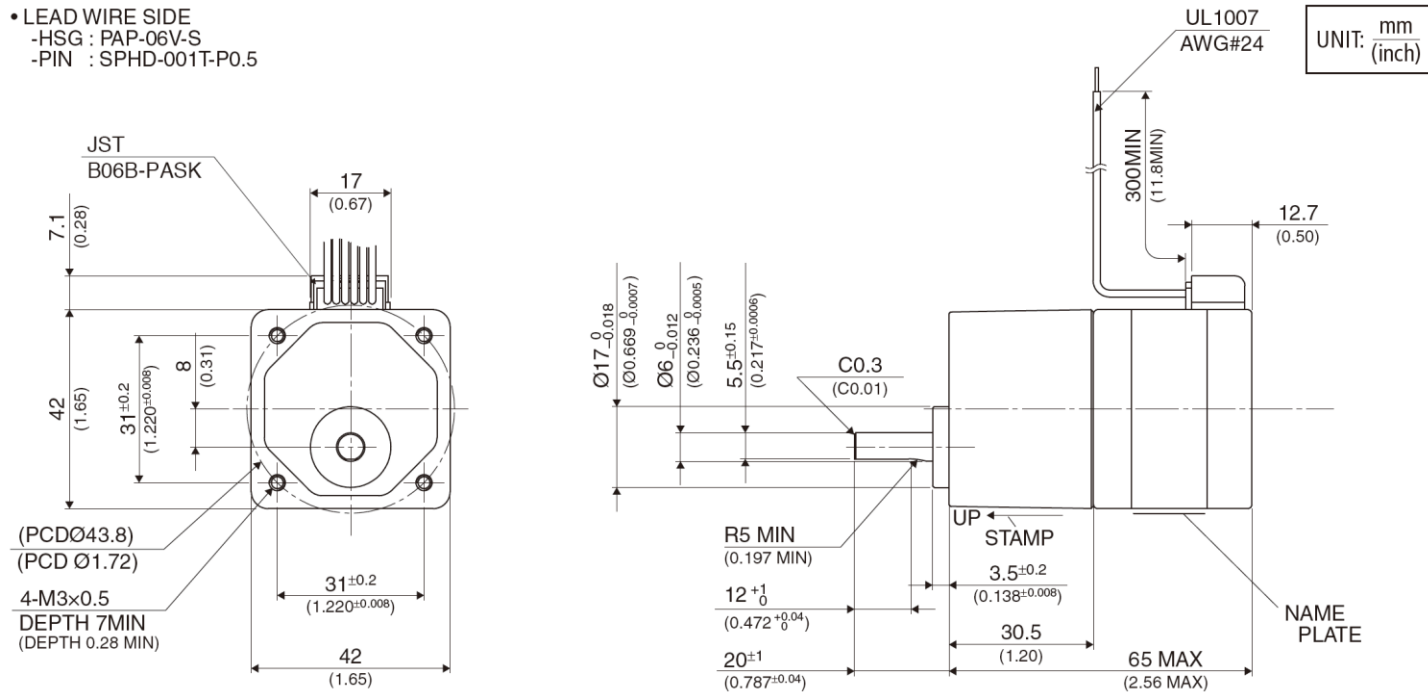
*リード線付属

* Leadwires will be supplied with the motor.

* モータ回転方向とギア出力軸の回転方向は減速比 1:3.6, 1:7.2, 1:10, は同じに、1:20, 1:30 は逆になります。

* Direction of rotation of the motor and that of the gear output shaft are the same for the gear ratios 1:3.6, 1:7.2 and 1:10. It is the opposite for 1:20 and 1:30 gear ratio.

• LEAD WIRE SIDE
-HSG : PAP-06V-S
-PIN : SPHD-001T-P0.5



結線表 PIN NO. vs. PHASE

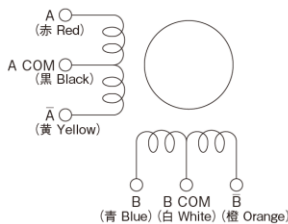
| 相 (PHASE) | A | A COM | \bar{A} | B | B COM | \bar{B} |
|----------------|---|-------|-----------|---|-------|-----------|
| ピン番号 (PIN NO.) | 3 | 2 | 1 | 4 | 5 | 6 |

■ 一般仕様 General Specifications

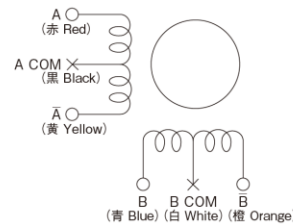
温度上昇
使用周囲温度
絶縁抵抗
絶縁耐力
許容ラジアル荷重 (出力軸先端より10mmにて)
許容スラスト荷重

Temperature Rise 80°C MAX
Ambient Temperature Range -10°C ~ +50°C
Insulation Resistance 100M Ω MIN. DC 500V
Dielectric Strength AC 500V 1min
Permissible Radial Load (at 10mm from shaft end) 19.6N (2kgf)
Permissible Thrust Load 14.7N (1.5kgf)

■ ユニポーラ結線図 UNI POLAR Wiring Connection Diagram



■ バイポーラ結線図 BI POLAR Wiring Connection Diagram



* A COM, B COMは使用しません。別々に絶縁処理してください。
* No need to connect A COM and B COM. Please insulate individually.
* ユニポーラの定格電流値の70%でご使用ください。
* Apply 70% of Unipolar rated current.

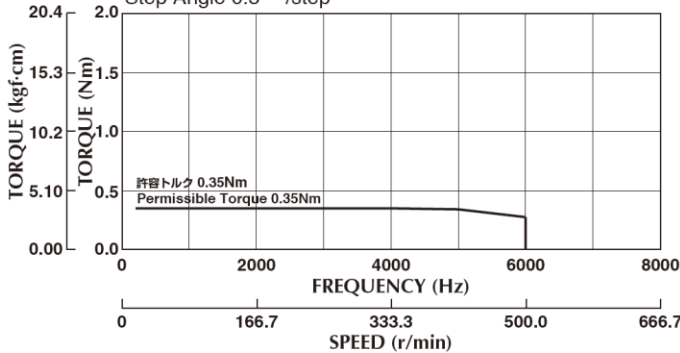
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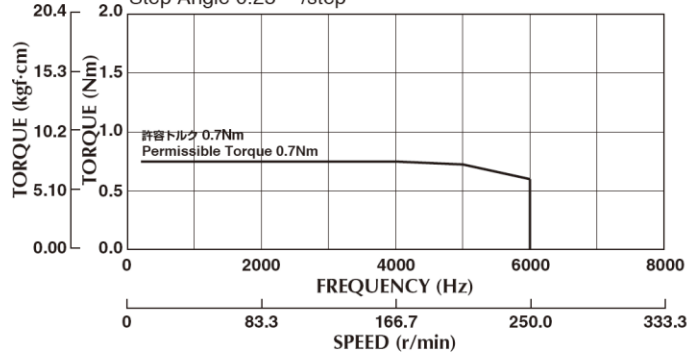
GT0036-17M000

Supply Voltage: 24.0V Current: 1.0A/Phase
Step Angle 0.5° /step



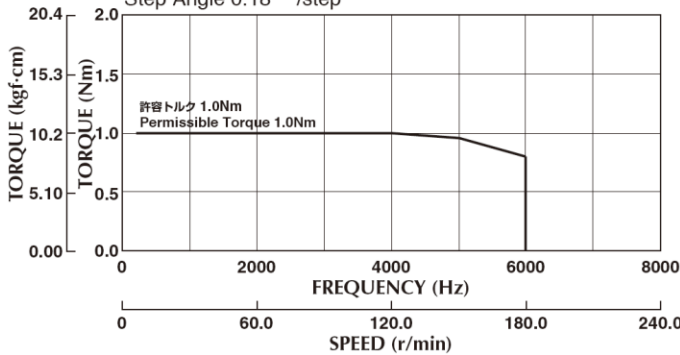
GT0072-17M000

Supply Voltage: 24.0V Current: 1.0A/Phase
Step Angle 0.25° /step



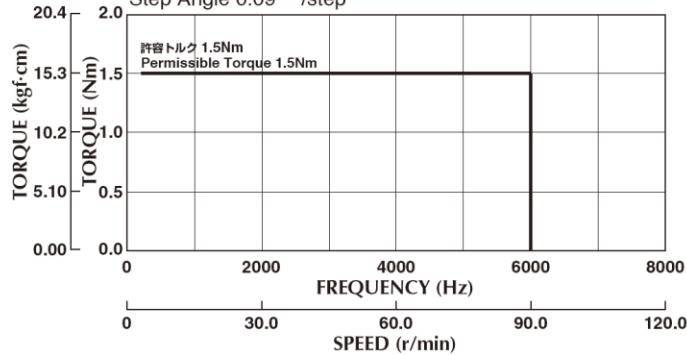
GT0100-17M000

Supply Voltage: 24.0V Current: 1.0A/Phase
Step Angle 0.18° /step



GT0200-17M000

Supply Voltage: 24.0V Current: 1.0A/Phase
Step Angle 0.09° /step



GT0300-17M000

Supply Voltage: 24.0V Current: 1.0A/Phase
Step Angle 0.06° /step

