

Minebea

Hybrid Stepping Motor with Gearbox

Low Backlash Type (GT series) 56 □

| 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 Backlash (min(deg)) | 質量 Mass (g) |
|---------------|------------------------------|------------------------------|------------------------------|------------------------------|--|--|----------------------------------|-------------------|
| GT0036-23M201 | 0.9 | 5.8 | 0.5 | 1 : 3.6 | 1.25 (12.7) | 0 ~ 500 | 35 (0.584) | 820 |
| GT0072-23M201 | | | 0.25 | 1 : 7.2 | 2.5 (25.5) | 0 ~ 250 | 15 (0.25) | 820 |
| GT0100-23M201 | | | 0.18 | 1 : 10 | 3.0 (30.6) | 0 ~ 180 | 15 (0.25) | 820 |
| GT0200-23M201 | | | 0.09 | 1 : 20 | 3.5 (35.7) | 0 ~ 90 | 10 (0.167) | 850 |
| GT0300-23M201 | | | 0.06 | 1 : 30 | 4.0 (40.8) | 0 ~ 60 | 10 (0.167) | 850 |

*ドライブ方式：ユニポーラ

* Drive Sequence : Unipolar

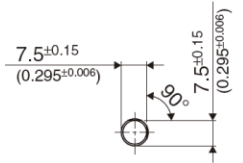
*リード線付属

* 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、減速比 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.

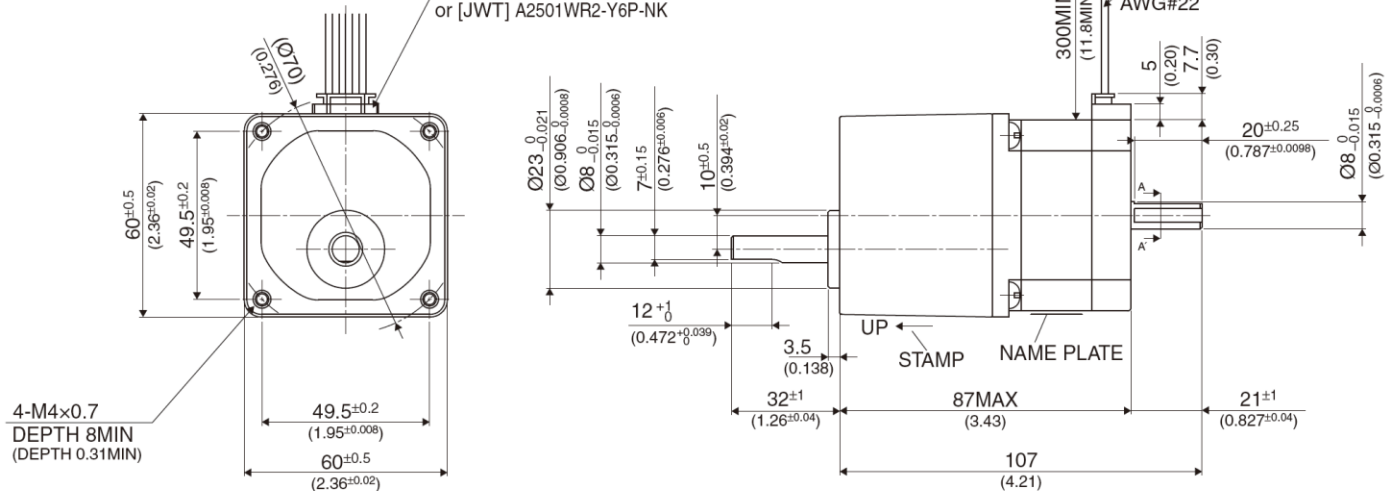
UNIT: mm
(inch)



LEAD WIRE SIDE

- [HSG] JST:XHP-6
- or JTW: A2501H02-6P
- [PIN] JST: SXH-001T-P0.6
- or JTW: A2501T0P-2

[JST] S6B-XH-A-1
or [JTW] A2501WR2-Y6P-NK



結線表 PIN NO. vs. PHASE

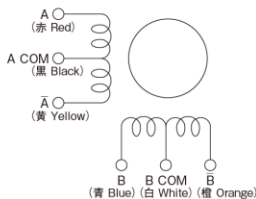
| 相 (PHASE) | A | A COM | \bar{A} | B | B COM | \bar{B} |
|----------------|---|-------|-----------|---|-------|-----------|
| ピン番号 (PIN NO.) | 1 | 2 | 3 | 4 | 5 | 6 |

■ 一般仕様 General Specifications

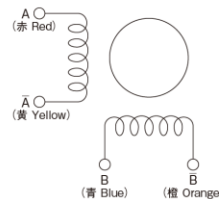
温度上昇
使用周囲温度
絶縁抵抗
絶縁耐力
許容ラジアル荷重 (出力軸先端より10mmにて)
許容スラスト荷重

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) 98.1N (10kgf)
Permissible Thrust Load 29.4N (3kgf)

■ 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



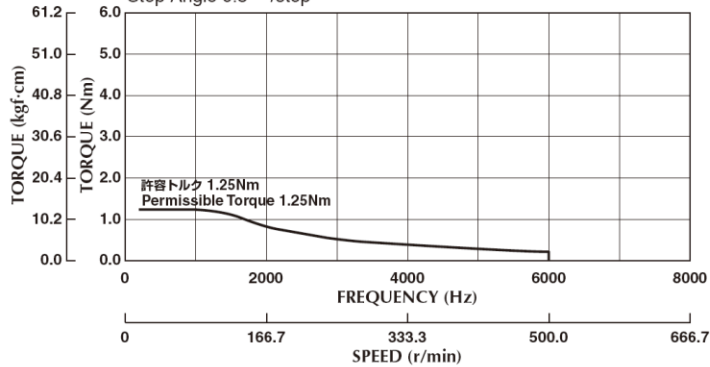
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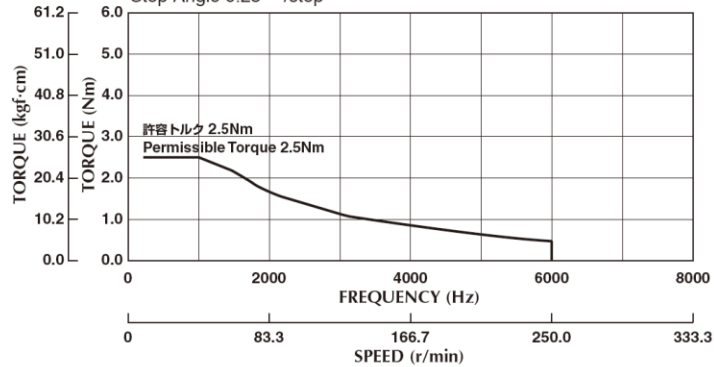
GT0036-23M201

Supply Voltage: 24.0V Current: 0.9A/Phase
Step Angle 0.5° /step



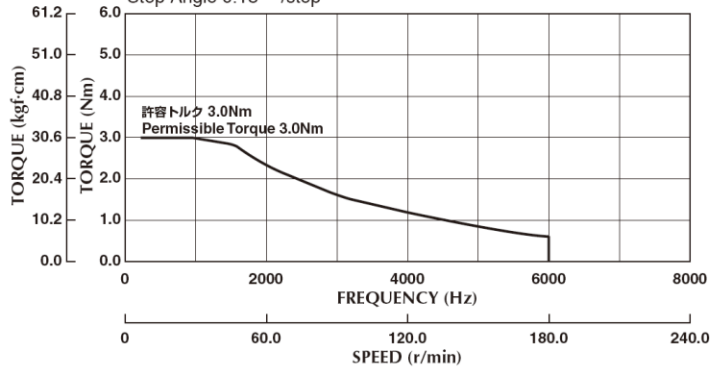
GT0072-23M201

Supply Voltage: 24.0V Current: 0.9A/Phase
Step Angle 0.25° /step



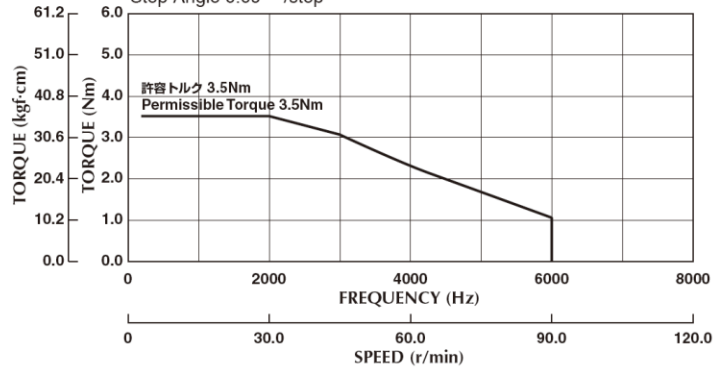
GT0100-23M201

Supply Voltage: 24.0V Current: 0.9A/Phase
Step Angle 0.18° /step



GT0200-23M201

Supply Voltage: 24.0V Current: 0.9A/Phase
Step Angle 0.09° /step



GT0300-23M201

Supply Voltage: 24.0V Current: 0.9A/Phase
Step Angle 0.06° /step

