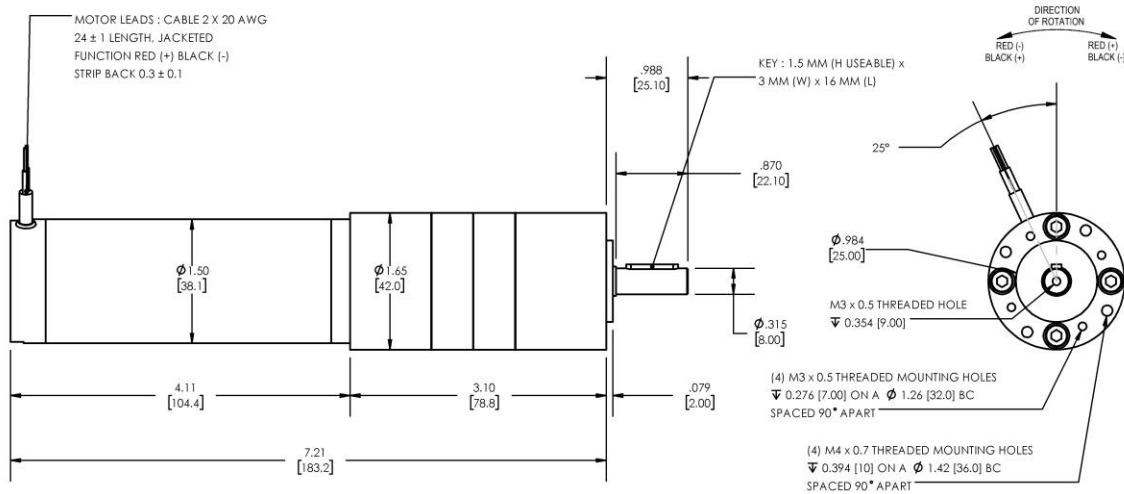


Model Number:
MMP S17-400D-12V GP42-019



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|--|-------------|-------------|-----------|
| Gearhead Ratio (exact) | 19.20 : 1 | | |
| Gearmotor Output Speed (at Cont. Torque) | 100 | RPM | +/- 15% |
| Gearmotor Rated Continuous Torque | 19 | In-Lbs | MAX |
| Gearmotor Peak Torque Capacity | 29++ | In-Lbs | MAX |
| Gearhead Standard Backlash | 57 | Arc Minutes | MAX |
| Gearhead Efficiency | 75% | ---- | ---- |
| Output Shaft Radial Load Capacity | 52 | Lbs | MAX |
| Output Shaft Axial Load Capacity | 18 | Lbs | MAX |
| Gearmotor Total Weight | 2.4 | Lbs | MAX |

++ All Peak Torque values are dependent upon duty. Contact our sales office for details.

| DC MOTOR PERFORMANCE PARAMETERS: | VALUE | UNITS | TOLERANCE |
|----------------------------------|-------|-----------|-----------|
| Input DC Voltage | 12 | DC VOLTS | ---- |
| No-Load Current | 0.43 | AMPERES | MAX |
| No-Load Speed | 2594 | RPM | +/- 15% |
| Rated Continuous Torque | 21 | OZ-IN | MAX |
| Rated Continuous Current | 3.9 | AMPERES | MAX |
| Rated Speed (at Cont. Torque) | 1918 | RPM | +/- 15% |
| Rated Continuous Power Out | 29 | WATTS | +/- 15% |
| Peak Motor Torque | 32 | OZ-IN | MAX |
| Peak Motor Current | 5.8 | AMPERES | MAX |
| Back EMF Constant (Ke) | 4.5 | V/KRPM | +/- 10% |
| Torque Constant (Kt) | 6.0 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 1.00 | OHMS | +/- 15% |
| Armature Inductance | 0.27 | mH | +/- 15% |
| Number of Motor Poles | 4 | (-) | ---- |
| Armature temperature | 155 | DEG. C | MAX |

NOTES:

- Rated speeds may drop as the motor temperature increases. Values are stated with the motor at 25 °C.
- All Peak Torque values are dependent upon duty. Contact our sales office for details.

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