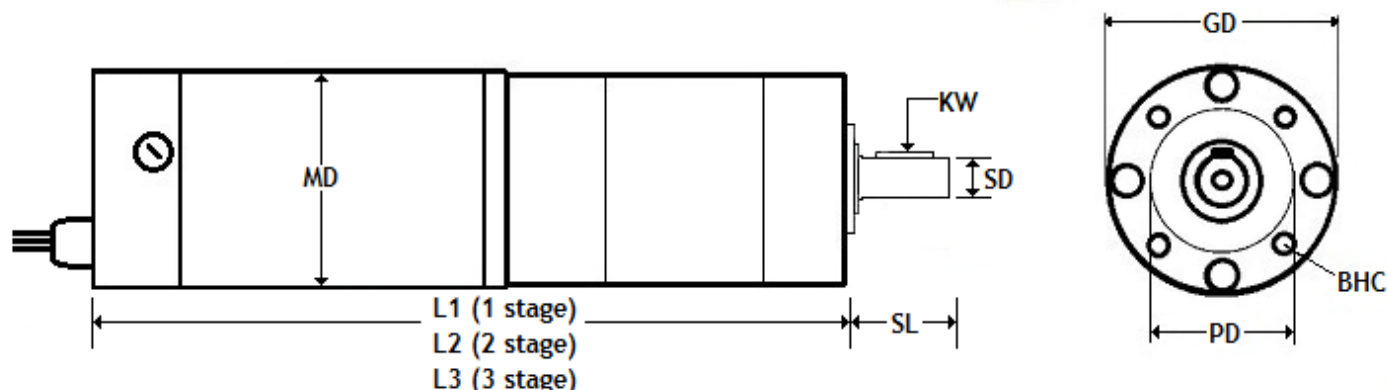




Model Number: **MMP TM57-12V GP52-124**
 Date: 02, Sept 2011 Prepared for: Production



Note: Shielded, Jacketed Leadwires, 12" Long, exit the Rear End Cap through a "Seal-Tight" Connector

DIMENSIONS:

MD = 2.25" (57mm)

L3 = 7.79" (198mm)

KW = 2H x 4W x 16 mm long

SD = 12mm

(Note: Center of output shaft contains an M-4 threaded hole)

SL = 25mm (usable shaft length = 21mm)

GD = 2.047 (52mm)

PD = 32mm, pilot length = 3mm

BHC (dia) = M5 x 10mm deep (4 ea) on a 40mmØ BC

DC MOTOR PERFORMANCE PARAMETERS:

| DC MOTOR PERFORMANCE PARAMETERS: | VALUE | UNITS | TOLERANCE |
|------------------------------------|-------|-----------|-----------|
| Rated DC Voltage | 12.0 | DC VOLTS | ----- |
| Rated Continuous Current | 7.8 | AMPERES | ----- |
| No-Load Speed | 5000 | RPM | MAX |
| Rated Speed | 4400 | RPM | +/- 15% |
| Rated Continuous Power out | 81 | WATTS | +/- 15% |
| Rated Continuous Torque | 25.0 | OZ-IN | ----- |
| Peak Torque (motor only) | 130 | OZ-IN | ----- |
| No-Load Current | 1.25 | AMPERES | MAX |
| Back EMF Constant (Ke) | 2.4 | V/KRPM | +/- 10% |
| Torque Constant (Kt) | 3.2 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance (@1.5 amps) | 0.25 | OHMS | +/- 15% |
| Armature temperature | 155 | DEG. C | MAX |

PLANETARY GEARMOTOR OUTPUT PARAMETERS:

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|--|------------|-------------|-----------|
| Gearhead Ratio (exact) | 123.97 : 1 | | |
| Gearmotor Rated Continuous Torque | 136 | IN-LBS | MAX |
| Gearmotor Rated Peak Torque | 443++ | IN-LBS | MAX |
| Gearhead Shaft Output Speed (at full-load) | 35 | RPM | ----- |
| Gearhead Standard Backlash | 48 | ARC MINUTES | MAX |
| Gearhead Efficiency | 70% | ----- | ----- |
| Gearmotor Total Weight | 71.6 | OZ | MAX |

++ All Peak Torque Values are dependent upon duty. Kindly consult our Sales Offices for details.

THIS ROBUST, TENV DESIGN WITH 'TRUE PLANETARY GEARING' IS OFFERED BY:

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