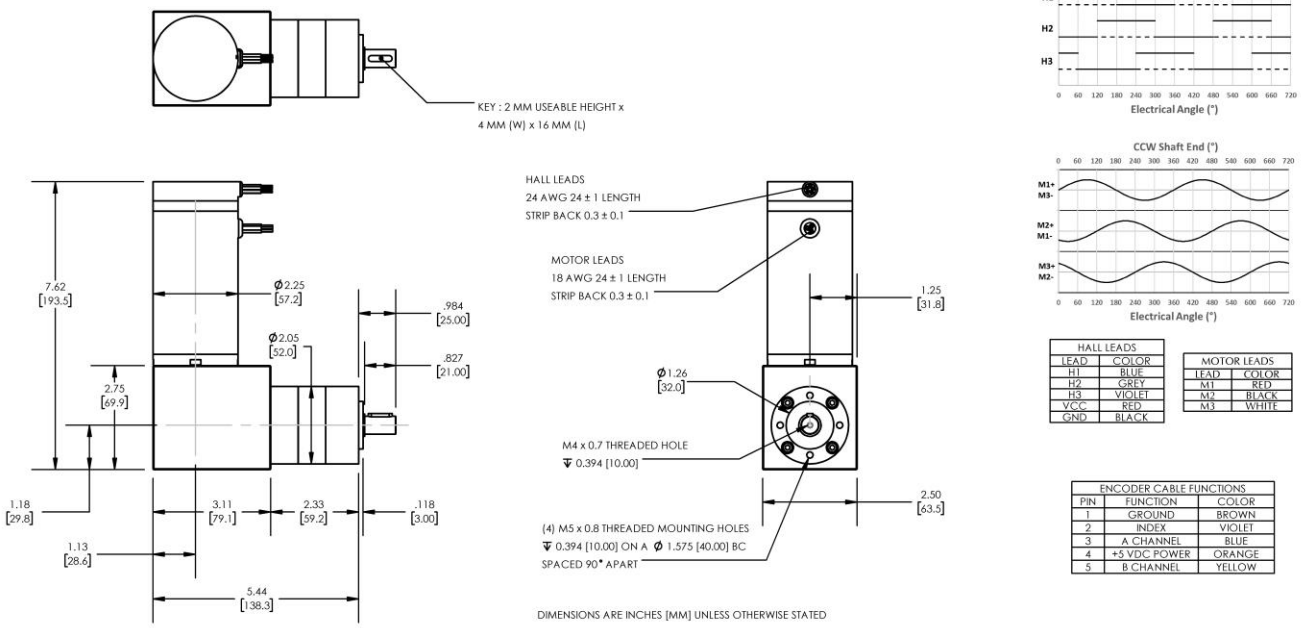
REVERSIBLE BRUSHLESS DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP BL58-487D-24V GRA52-014



HALL LEADS	
LEAD	COLOR
H1	BLUE
H2	GREY
H3	VIOLET
VCC	RED
GND	BLACK

MOTOR LEADS	
LEAD	COLOR
M1	RED
M2	BLACK
M3	WHITE

ENCODER CABLE FUNCTIONS		
PIN	FUNCTION	COLOR
1	GROUND	BROWN
2	INDEX	VIOLET
3	A CHANNEL	BLUE
4	+5 VDC POWER	ORANGE
5	B CHANNEL	YELLOW

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	13.73 : 1		
Gearhead Shaft Output Speed (at full-load)	206	RPM	MAX
Gearmotor Rated Continuous Torque	69	In-Lbs	MAX
Gearmotor Rated Peak Torque	198++	In-Lbs	-----
Gearhead Standard Backlash	45	Arc Minutes	MAX
Gearhead Efficiency	75%	-----	-----
Output Shaft Radial Load Capacity	72	Lbs	MAX
Output Shaft Axial Load Capacity	23	Lbs	MAX
Gearmotor Total Weight	6.0	Lbs	MAX

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

DC MOTOR PERFORMANCE PARAMETERS:	VALUE	UNITS	TOLERANCE
Rated DC Voltage	24	DC VOLTS	-----
Rated Continuous Current	13.0	AMPERES	-----
No-Load Speed	3750	RPM	MAX
Rated Speed	2833	RPM	+/- 15%
Rated Continuous Power Out	225	WATTS	+/- 15%
Rated Continuous Torque	107	OZ-IN	-----
Peak Torque (motor only)	307	OZ-IN	-----
No-Load Current	0.64	AMPERES	MAX
Back EMF Constant (Ke)	6.4	V/KRPM	+/- 10%
Torque Constant (Kt)	8.7	OZ-IN/AMP	+/- 10%
DC Armature Resistance	0.45	OHMS	+/- 15%
Armature Inductance	0.37	mH	+/- 15%
Armature temperature	155	DEG. C	MAX

NOTES:

- ENCODER & BRAKE OPTIONS AVAILABLE – FOLLOW THIS LINK FOR DETAILS
- NEMA MOUNTING FLANGE OPTION AVAILABLE – FOLLOW THIS LINK FOR DETAILS