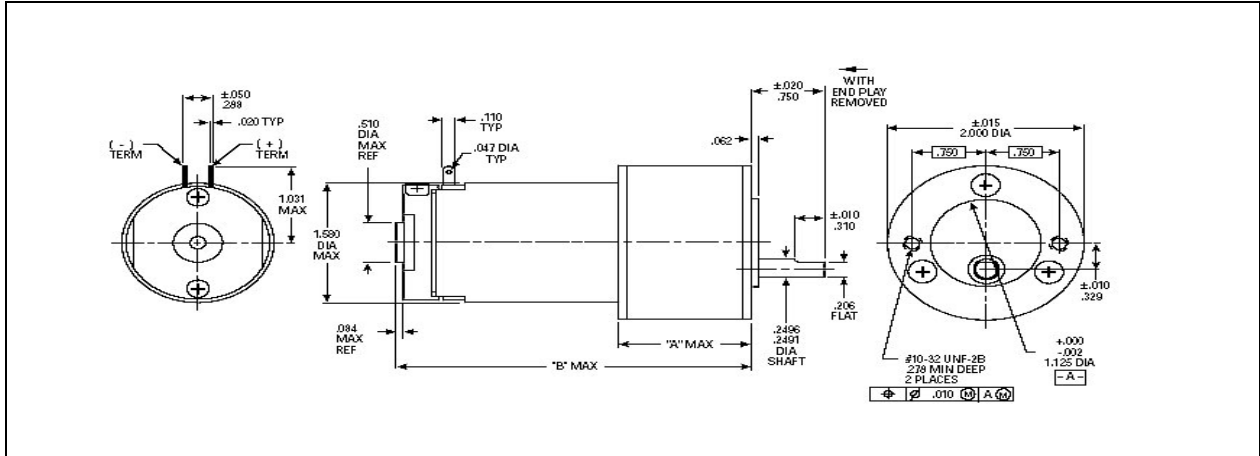




**STANDARD PRODUCT**

**Date:** 08/13/2008      **Prepared for:** Production  
**Planetary Gearmotor**      **Model Number:** MMP15-24V GS-19.7



DC MOTOR PERFORMANCE PARAMETERS	Value	Units	Tolerance
RATED VOLTAGE D.C.	24.0	VOLTS	----
RATED CONTINUOUS CURRENT	0.80	AMPERE	----
RATED CONTINUOUS TORQUE	4.0	OZ - IN	----
RATED SPEED	4600	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	15	WATTS	+/- 15%
NO LOAD SPEED	5500	RPM	MAX
NO LOAD CURRENT	0.14	AMPS	MAX
BACK EMF CONSTANT (Ke)	4.44	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	6.00	OZ -IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	9.0	OHMS	+/- 15%
ARMATURE TEMP	155	DEGR. C	MAX
PEAK TORQUE	15	OZ - IN	----
<b>PLANETARY GEARMOTOR OUTPUT PARAMETERS:</b>			
PLANETARY GEARHEAD RATIO	19.7 :1		
GEARMOTOR RATED CONTINUOUS TORQUE	57	OZ - IN	MAX
GEARMOTOR RATED PEAK TORQUE	300	OZ - IN	MAX
GEARHEAD SHAFT OUTPUT SPEED	234	RPM	----
GEARHEAD EFFICIENCY	73	%	
GEARMOTOR TOTAL WEIGHT	~16	OUNCES	MAX
GEARMOTOR OVER-ALL LENGTH	3.677	INCHES	MAX.

**MIDWEST MOTION PRODUCTS**  
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