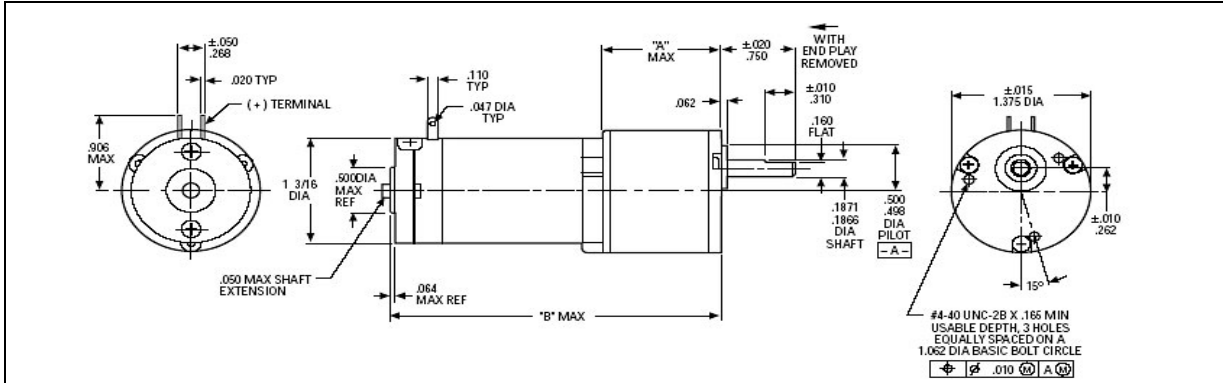


Date: 08/12/2008

Prepared for: Production

Planetary Gearmotor

Model Number: MMP G13-24V GS-188



DC MOTOR PERFORMANCE PARAMETERS	Value	Units	Tolerance
RATED VOLTAGE D.C.	24.0	VOLTS	----
RATED CONTINUOUS CURRENT	0.280	AMPERE	----
RATED CONTINUOUS TORQUE	2.5	OZ - IN	----
RATED SPEED @ F.L.	4800	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	10	WATTS	+/- 15%
NO LOAD SPEED	5600	RPM	MAX
NO LOAD CURRENT	0.14	AMPS	MAX
BACK EMF CONSTANT (Ke)	4.3	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	5.85	OZ -IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	15	OHMS	+/- 15%
ARMATURE TEMP	130	DEGR. C	MAX
PEAK TORQUE (motor-only)	34	OZ - IN	----
PLANETARY GEARMOTOR OUTPUT PARAMETERS:			
PLANETARY GEARHEAD RATIO	188:1		
GEARMOTOR RATED CONTINUOUS TORQUE	100	OZ-IN.	MAX
GEARMOTOR RATED PEAK TORQUE	100	OZ-IN.	MAX
GEARHEAD SHAFT OUTPUT SPEED (@ F.L.)	26.0	RPM	----
GEARMOTOR TOTAL LENGTH ("B" DIMENSION)	3.02	INCH	MAX
GEARHEAD EFFICIENCY	67%		
GEARMOTOR TOTAL WEIGHT	11	OUNCES	MAX

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