



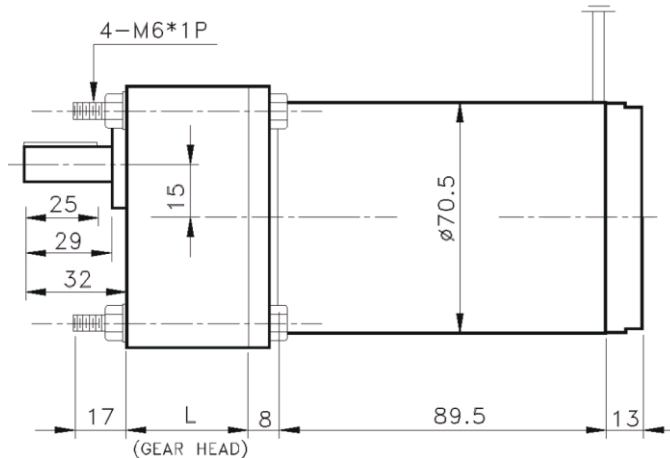
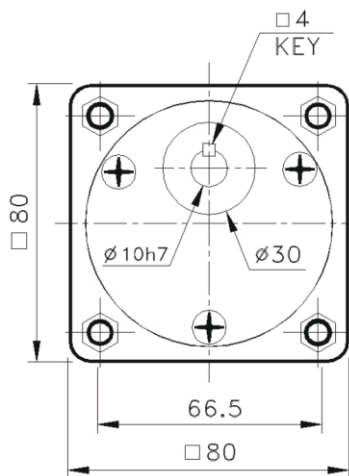
**STANDARD PRODUCT**

**Date:** 09/10/2008

**Prepared for:** Production

DC Gearmotor

**Model Number:** MMP PDSF80-12V GS-050



<b>DC MOTOR PERFORMANCE PARAMETERS</b>	<b>Value</b>	<b>Units</b>	<b>Tolerance</b>
RATED VOLTAGE D.C.	12	VOLTS	----
RATED CONTINUOUS CURRENT	5.2	AMPERE	----
RATED CONTINUOUS TORQUE	28	OZ - IN	----
RATED SPEED	2600	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	54	WATTS	+/- 15%
NO LOAD SPEED	3000	RPM	MAX
NO LOAD CURRENT	1.3	AMPS	MAX
BACK EMF CONSTANT (Ke)	4.0	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	5.4	OZ - IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	3.6	OHMS	+/- 15%
ARMATURE TEMP	155	DEGR. C	MAX
PEAK TORQUE	TBD	OZ - IN	----
<b>GEARMOTOR OUTPUT PARAMETERS:</b>			
GEARBOX RATIO	50 : 1		
GEARBOX RATED CONTINUOUS TORQUE	57	LB - IN	MAX
GEARBOX RATED PEAK TORQUE	70++	LB. - IN	MAX
GEARBOX SHAFT OUTPUT SPEED *	52	RPM	----
GEARBOX EFFICIENCY	66	%	
TOTAL GEARMOTOR WEIGHT	~64	OUNCES	MAX
"L" Dimension—Gearbox Length	1.9	INCHES	MAX.

**MMP PDSF80-12V 50: 1 Note: Overall Gearmotor Length = 5.4 inches**

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

**MIDWEST MOTION PRODUCTS**

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