

Standard Product

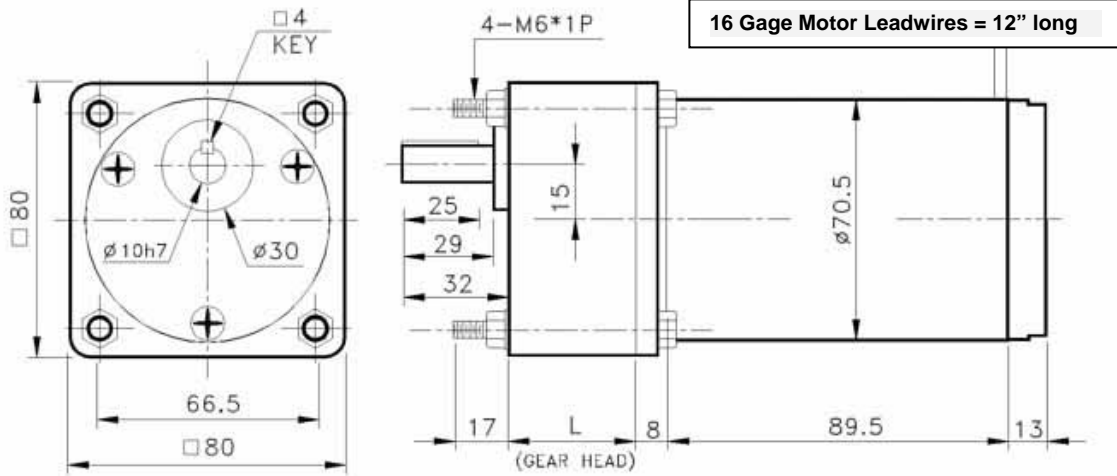


Date: 09/02/2008

Prepared for: PRODUCTION

12 V DC Gearmotor

Model Number: MMP-PDSF80-12V GS-180- LS



Above Dimensions in mm

DC MOTOR PERFORMANCE PARAMETERS	Value	Units	Tolerance
RATED VOLTAGE D.C.	12	VOLTS	----
RATED CONTINUOUS CURRENT	3.9	AMPERE	----
RATED CONTINUOUS TORQUE	30	OZ - IN	----
RATED SPEED	1300	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	30	WATTS	+/- 15%
NO LOAD SPEED	1600	RPM	MAX
NO LOAD CURRENT	1.1	AMPS	MAX
BACK EMF CONSTANT (Ke)	7.5	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	10.1	OZ -IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	1.2	OHMS	+/- 15%
ARMATURE TEMP	120	°C	MAX
PEAK TORQUE (Motor-Only)	120	OZ - IN	----
GEARMOTOR OUTPUT PARAMETERS:			
GEARBOX RATIO	180:1		
GEARMOTOR RATED CONTINUOUS TORQUE	70	LB - IN	MAX
GEARBOX RATED PEAK TORQUE	100++	LB - IN	MAX
GEARMOTOR SHAFT OUTPUT SPEED	7.2	RPM	----
GEARBOX EFFICIENCY	66	%	
"L" Dimension—Gearbox Length	1.7	INCHES	MAX.
GEARMOTOR TOTAL WEIGHT	74	OUNCES	MAX

MMP PDSF80-12V GS-180-LS Note: Overall Gearmotor Body Length = 6.0 Inches

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

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