

STANDARD PRODUCT

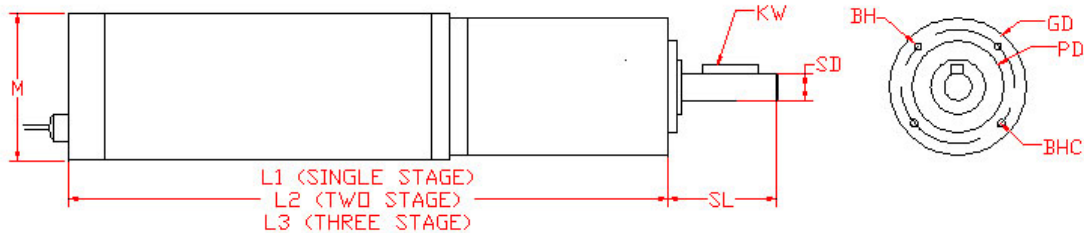


Date: 11/26/2007

Prepared for: Production

Planetary Gearmotor

Model Number: MMP TM55-12V GPK52-046



NOTE: TWIN JACKETED LEADWIRES, 11" LONG, EXIT THE REAR END CAP THROUGH A "SEAL TITE" CONNECTOR

Dimensions:

Note: The Center of the Output Shaft contains an M-4 Threaded Hole, 20mm deep

M= 2.13" (54mm)

SL= 25mm

L (2) =7.2" (183mm)

GD= 2.047" (52mm)

KW= 4x4x16 mm

PD= 32mm, Pilot Length = 3mm

SD= 12 mm, + 0, -18µm

BHC (dia.)=M5x10mm dp(4ea) 40mm BCD

DC MOTOR PERFORMANCE PARAMETERS	Value	Units	Tolerance
RATED VOLTAGE D.C.	12.0	VOLTS	----
RATED CONTINUOUS CURRENT	7.5	AMPERE	----
RATED CONTINUOUS TORQUE	23.0	OZ - IN	----
RATED SPEED	4600	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	78	WATTS	+/- 15%
NO LOAD SPEED	5000	RPM	MAX
NO LOAD CURRENT	1.25	AMPS	MAX
BACK EMF CONSTANT (Ke)	2.4	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	3.2	OZ -IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	0.43	OHMS	+/- 15%
ARMATURE TEMP	155	DEGR. C	MAX
PEAK TORQUE (motor-only)	120	OZ - IN	----
PLANETARY GEARMOTOR OUTPUT PARAMETERS:			
PLANETARY GEARBOX RATIO	46:1		
GEAR MOTOR RATED CONTINUOUS TORQUE	46	LB-IN.	MAX
GEAR MOTOR RATED PEAK TORQUE	89++	LB-IN.	MAX
GEARBOX SHAFT OUTPUT SPEED (@ F.L.)	100	RPM	----
GEARBOX STANDARD BACKLASH	69	ARC MINUTES	MAX
GEARBOX EFFICIENCY	70%		
GEARMOTOR TOTAL WEIGHT	48	OUNCES	MAX

NOTE: TENV DESIGN; MEETS IP-53 STANDARD ~ TRUE PLANETARY GEARING ~ BALL BEARINGS
++ All Peak Torque Values are dependent upon duty. Kindly consult our Sales Offices for further details

MIDWEST MOTION PRODUCTS

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