

STANDARD PRODUCT

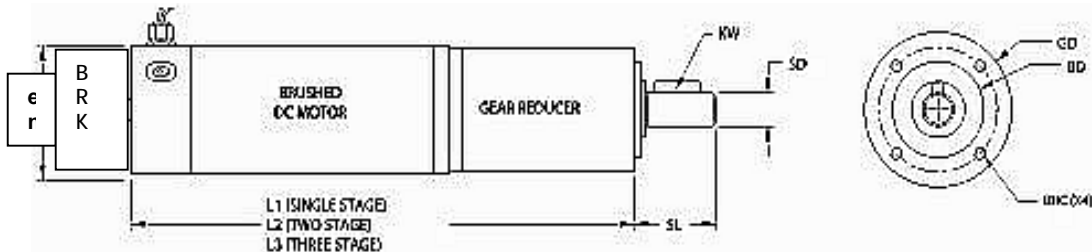


Date: 02/07/2008

Prepared for: Production

Planetary Gearmotor w/ Brake & Encoder

Model Number: MMP C21-125E-24V GPK52-046LS BR-005n E-250i



ENCODER IS A 5V, 250 PPR, 2 CH. + INDEX – 1.4” DIAMETER BY 0.70” LONG BRAKE IS 2.13” DIAMETER BY 1.55’ LONG, W/ 18” LONG LEADS; REQUIRES 24 VDC POWER. **** TOTAL LENGTH INCLUDES MOTOR, GEARHEAD, (Power On) BRAKE AND ENCODER**

Dimensions:

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

M= 2.13” (54mm)

SL= 1.5” (38.1mm)

L (T) =9.35” (237mm) Max.**

GD= 2.047” (52mm)

KW= .125” x .125” x .810”

BD= 32mm, Pilot Length = 3mm

SD= 0.500”, + 0, -.0006”

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

DC MOTOR PERFORMANCE PARAMETERS	Value	Units	Tolerance
RATED VOLTAGE D.C.	24.0	VOLTS	----
RATED CONTINUOUS CURRENT	3.6	AMPERE	----
RATED CONTINUOUS TORQUE	25.0	OZ - IN	----
RATED SPEED	4000	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	74	WATTS	+/- 15%
NO LOAD SPEED	4500	RPM	MAX
NO LOAD CURRENT	0.57	AMPS	MAX
BACK EMF CONSTANT (Ke)	5.2	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	7.0	OZ -IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	0.9	OHMS	+/- 15%
ARMATURE TEMP	155	°C	MAX
PEAK TORQUE (motor-only)	150	OZ - IN	----
PLANETARY GEARMOTOR OUTPUT PARAMETERS:			
PLANETARY GEARBOX RATIO	46:1		
GEAR MOTOR RATED CONTINUOUS TORQUE	50.0	LB-IN.	MAX
GEAR MOTOR RATED PEAK TORQUE	89++	LB-IN.	MAX
GEARBOX SHAFT OUTPUT SPEED (@ F.L.)	89	RPM	----
GEARBOX STANDARD BACKLASH	69	Arc Min.	MAX
GEARBOX EFFICIENCY	70%		
GEARMOTOR / BRAKE / ENCODER TOTAL WEIGHT	55	OUNCES	MAX

NOTE: TENV DESIGN; MEETS IP-54 STANDARD ~ TRUE PLANETARY GEARING ~ BALL BEARINGS; n=Power on Brake
 ++ All Peak Torque Values are dependent upon duty. Kindly consult our Sales Offices for further details

MIDWEST MOTION PRODUCTS

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