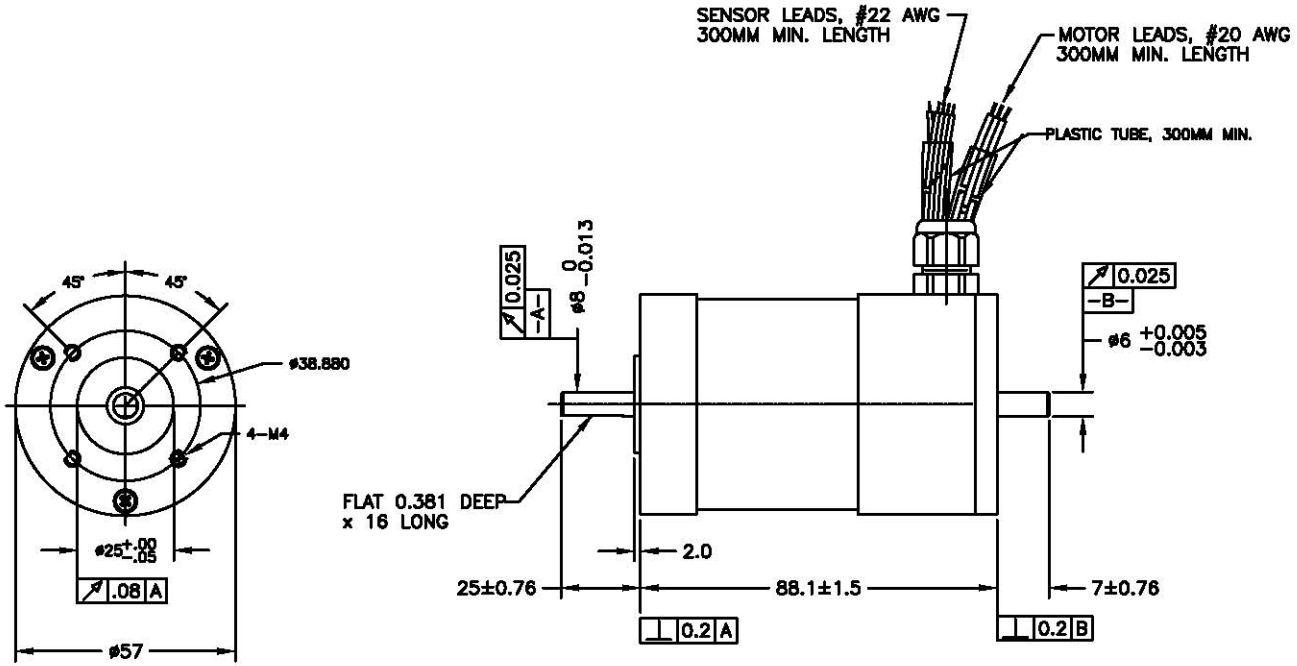
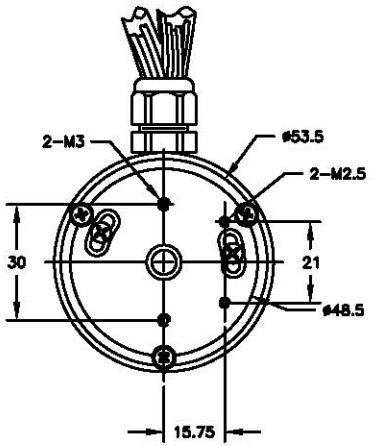
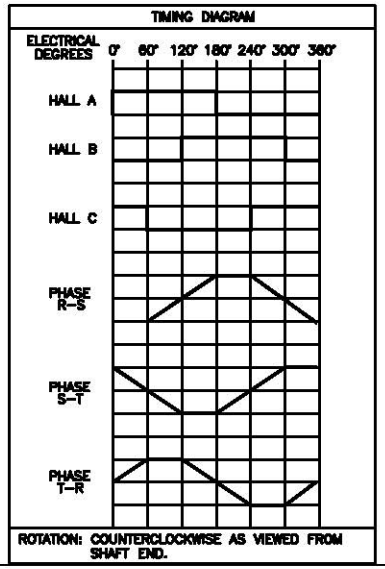
REVISIONS				
REV	DESCRIPTION		DATE	APPD
P1	PRELIMINARY	11351	4-15-03	XXD



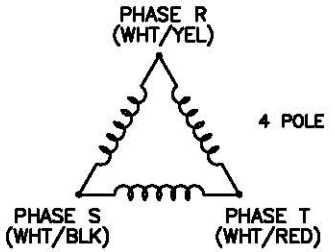


MOTOR PARAMETERS @25°C			
	TOL.	UNITS	VALUE
MAX. OPERATING SPEED (Sn)	MAX.	R.P.M.	5000
CONTINUOUS TORQUE (Tc)	MAX.	OZ-IN	38
PEAK TORQUE (Tp)	MAX.	OZ-IN	114
CONTINUOUS CURRENT (Ic)	MAX.	AMPS	3.5
PEAK CURRENT (Ip)	MAX.	AMPS	10.6
TORQUE SENSITIVITY (Kt)	±10%	OZ-IN/AMPS	11.9
BACK EMF CONSTANT (Ke) (L-L, D.C.)	±10%	V/K R.P.M.	8.8
D.C. RESISTANCE (Rt) (L-L)	±10%	OHMS	1.12
INDUCTANCE (L) (L-L)	±15%	mH	3.19
ROTOR INERTIA (Ja)	NOM.	OZ-IN-SEC^2	0.0017
WEIGHT	NOM.	LBS	1.78



COLOR CODE		
	COLOR	FUNCTION
MOTOR	WHT/YEL	PHASE R
MOTOR	WHT/BLK	PHASE S
MOTOR	WHT/RED	PHASE T
SENSOR	GREEN	HALL A
SENSOR	WHITE	HALL B
SENSOR	BLUE	HALL C
SENSOR	RED	+5-24 VDC
SENSOR	BLACK	GROUND

MOTOR WINDING CONFIGURATION



NOTE: THIS DRAWING HAS BEEN CREATED BY AUTOCAD. MANUAL REVISIONS ARE NOT ALLOWED.

TITLE: BRUSHLESS D.C. MOTOR

TOLERANCES ON: DECIMALS XX ±.010 XXX ±.005; FRACTIONS ±1/64; ANGLES ±1/2°; UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES

SIZE: C | NUMBER: MB057GA240 | SCALE 1:1 | SHEET 1 of 1