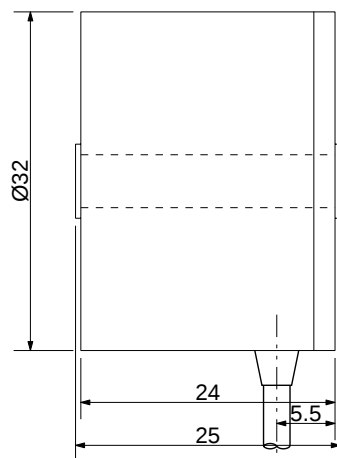
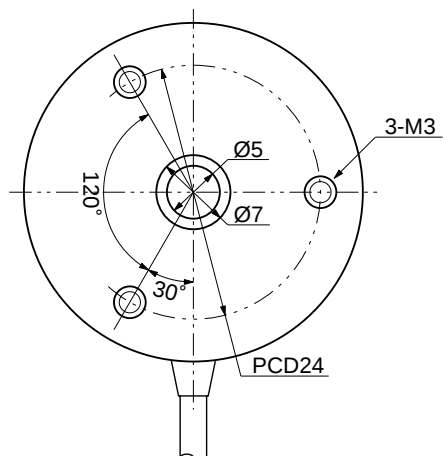
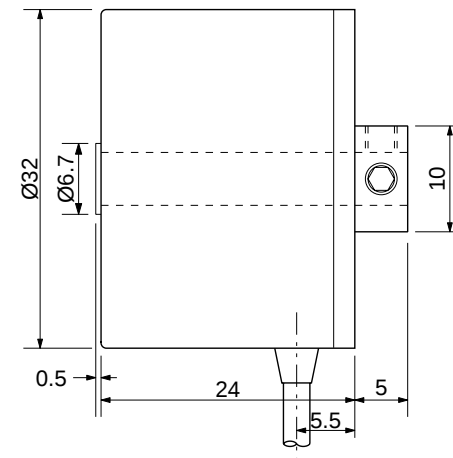
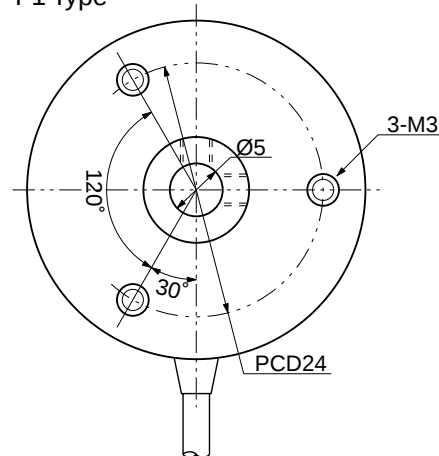




F1 Type



SPECIFICATIONS

TYPE	" "	C	E
Supply Voltage	5 ~ 12 VDC ±10%	5 ~ 12 VDC 24 VDC ±10%	5VDC ±5%
Current	60mA max.		≤ 150 mA
Output Voltage	H	Vcc - 1V	≥ 4.2V
	L	≤ 0.5V	≤ 0.5V
Sink Current	20mA max.		≤ 20 mA
Signal Risetime	≤ 2μS		
Freq. Response	50 - 100kHz		

MECHANICAL

1. Max Shaft Load, radial: 2.0 kgf
axial: 1.0 kgf
2. Moment of Inertia: 3 g•cm²
3. Angular Acceleration: 1x10⁴ rad/S²
4. Max Slewing Speed: 6000 RPM
5. Starting Torque: 20 gf•cm max.
6. Rotational Life: 1 x 10⁷ rpm•hrs

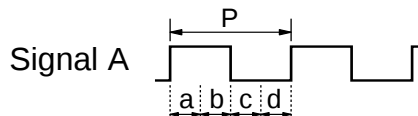
ENVIRONMENTAL

1. Operating Temp: -10° to +60° C
2. Storage Temp: -20° to +80° C
3. Humidity: 90% RH, no condensation
4. Vibration: 10~55 Hz, 1.5 mm, 2 hrs
5. Shock: 50G, 11ms, 3 axes, 3 reps

OUTPUT WAVEFORM

(Clockwise rotation viewed from front)

TYPE " , C



Signal B

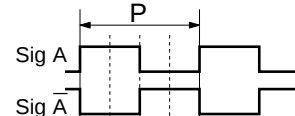
Signal Z

P = 1 ÷ PPR

a,b,c,d = $\frac{P}{4} \pm \frac{P}{8}$

Wave Duty Ratio: 50% ± 25%

TYPE E



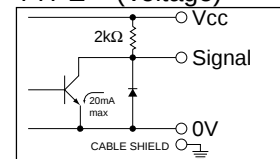
Signal B

Signal Z

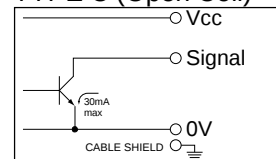
Signal Z

OUTPUT CIRCUITS

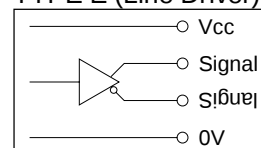
TYPE " (Voltage)



TYPE C (Open Coll)



TYPE E (Line Driver)



STANDARD RESOLUTIONS

MEH20-XXXX

40	40 P/R	*600	600 P/R
60	60 P/R	*720	720 P/R
100	100 P/R	*800	800 P/R
*200	200 P/R	*1000	1000 P/R
300	300 P/R	1024	1024 P/R
360	360 P/R	*1200	1200 P/R
400	400 P/R	*1500	1500 P/R
*500	500 P/R	*2000	2000 P/R
		*3600	3600 P/R

†(5V only, line driver N/A)

Output: all AB phase except
*starred items are A,B,Z phase

ORDERING INSTRUCTIONS

MEH20-

Resolution	Bore/Hub: = Through/No Hub F1 = Through/Hub F2 = 14mm/Hub
Output Format: blank= TTL Voltage C = Open Coll E = Line Driver	Input Voltage: 1 = 5VDC ±10% 3 = 5~12VDC ±10% 4 = 24VDC ±10%



C U I Stack, Inc.

9615 SW Allen Blvd. #103

Beaverton, OR 97005

Tel: 503/643-4899 FAX: 503/643-6129



DRAWN BY JAS	UPDATED 03/07/00	CHECKED 03/07/00	RELEASED
PART NO. MEH20-XXXXXXXX-XX			REV. A