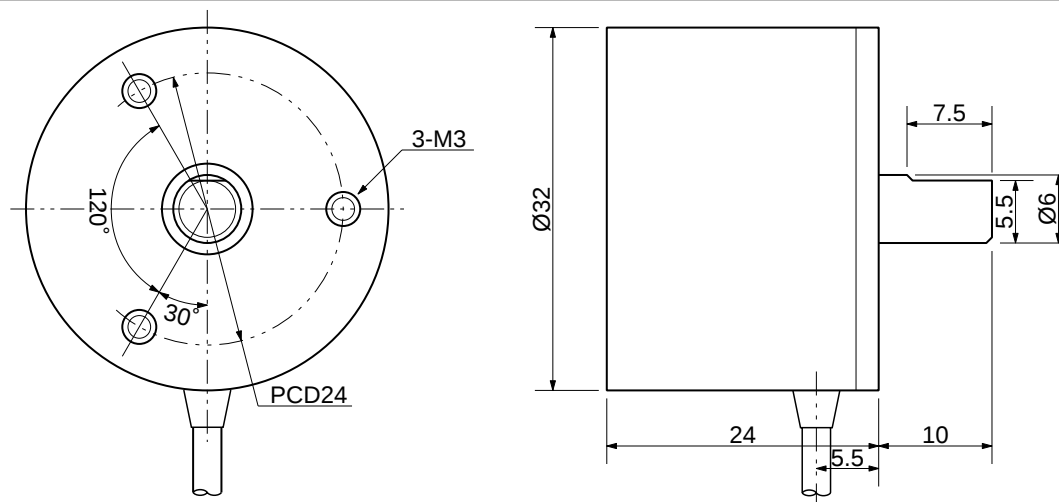




SPECIFICATIONS

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

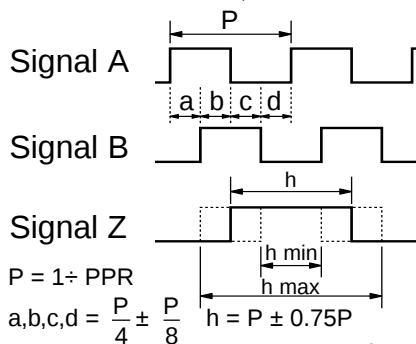
ENVIRONMENTAL

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

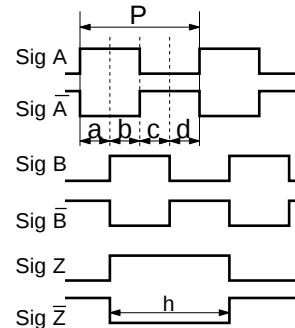
OUTPUT WAVEFORM

(Clockwise rotation viewed from front)

TYPE '', C



TYPE E



STANDARD RESOLUTIONS

MES20-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	

Output: AB phase;
 * starred items are A,B,Z phase;
 †5 volt only, line driver N/A

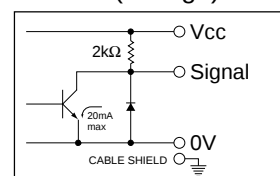
ORDERING INSTRUCTIONS

MES20-

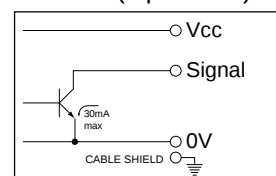
Resolution	Output Format:	Input Voltage:	Shaft Diameter:
" " = TTL Voltage	1 = 5VDC ±10%	3 = 5~12VDC ±10%	3175 = 3.175mm
C = Open Coll	3 = 5~12VDC ±10%	4 = 24VDC ±10%	6 = 6mm
E = Line Driver			635 = 6.35mm

OUTPUT CIRCUITS

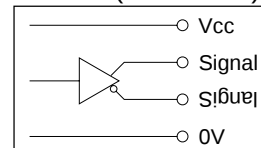
TYPE '' (Voltage)



TYPE C (Open Coll)



TYPE E (Line Driver)



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.

MES20-XXXXXXXX-XXXX

REV.

A