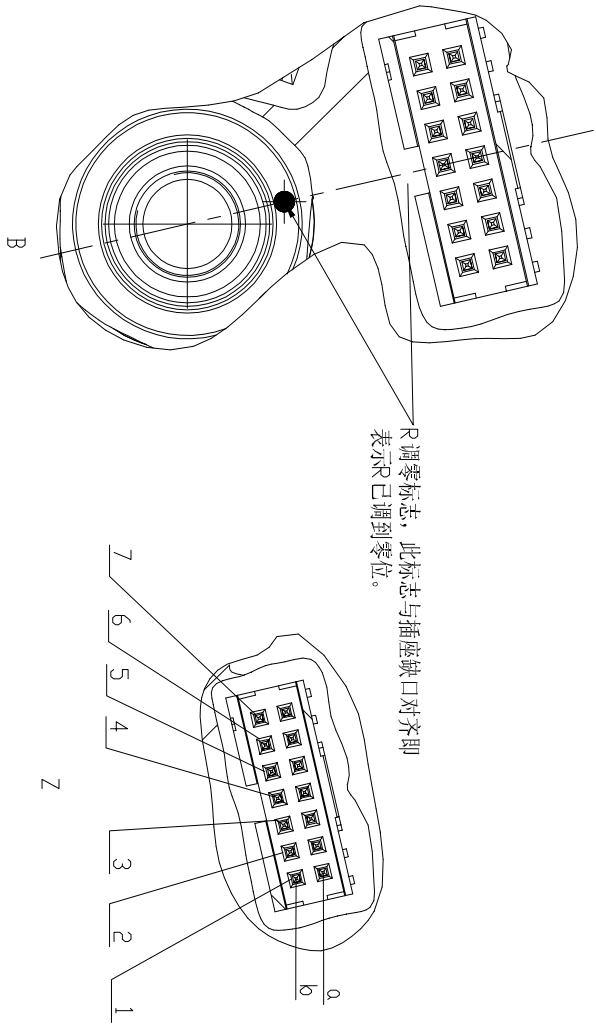
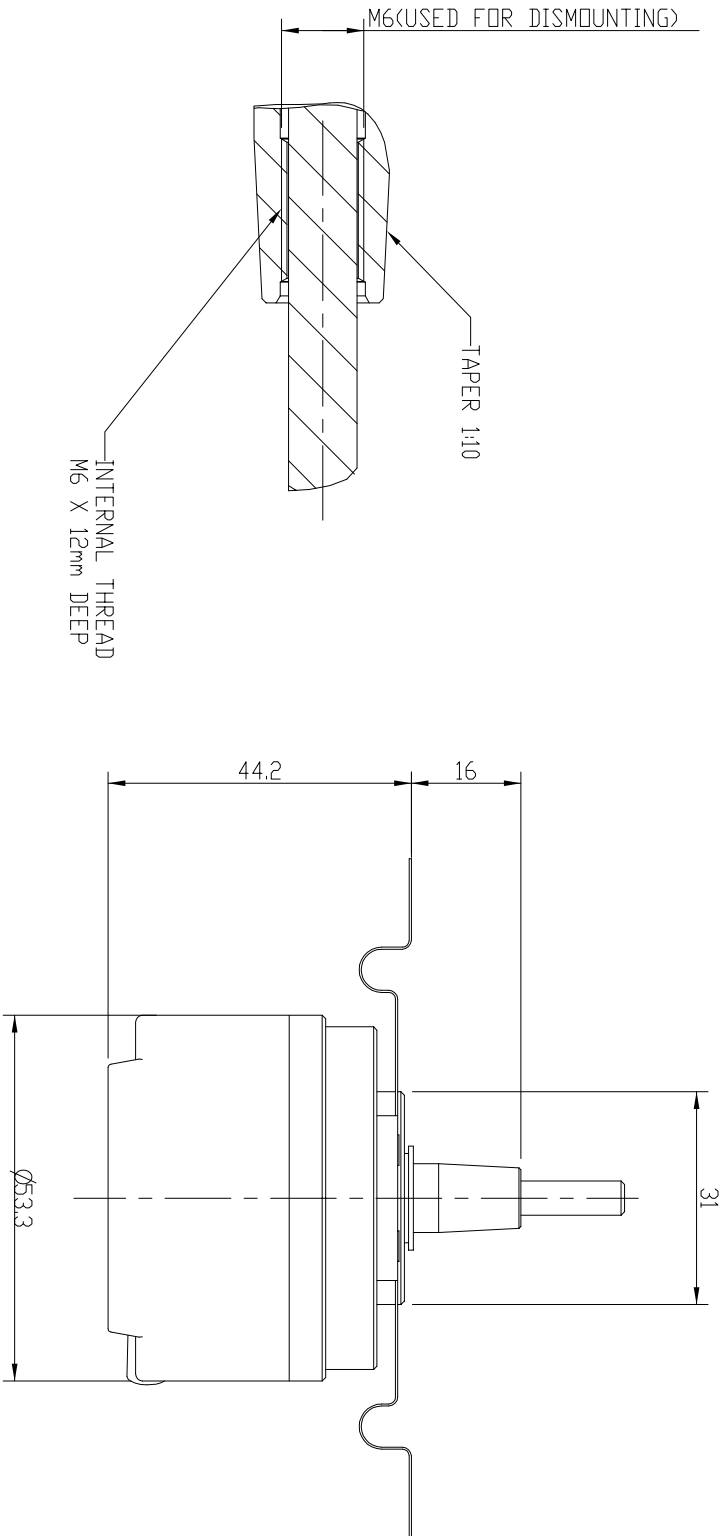
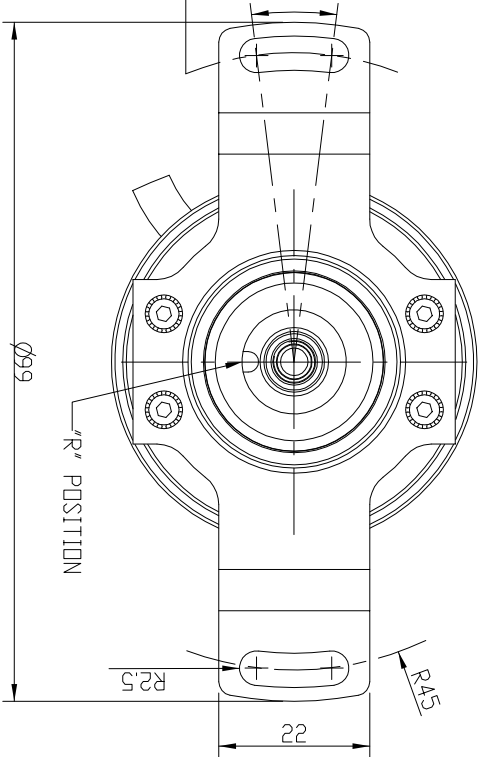
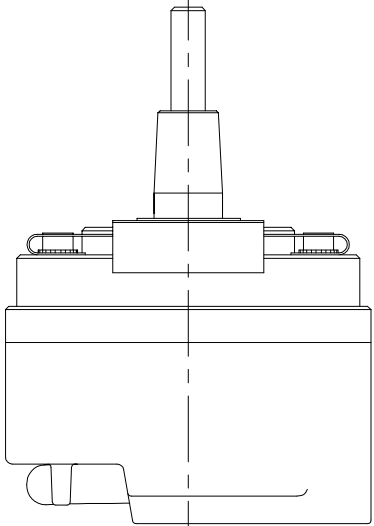
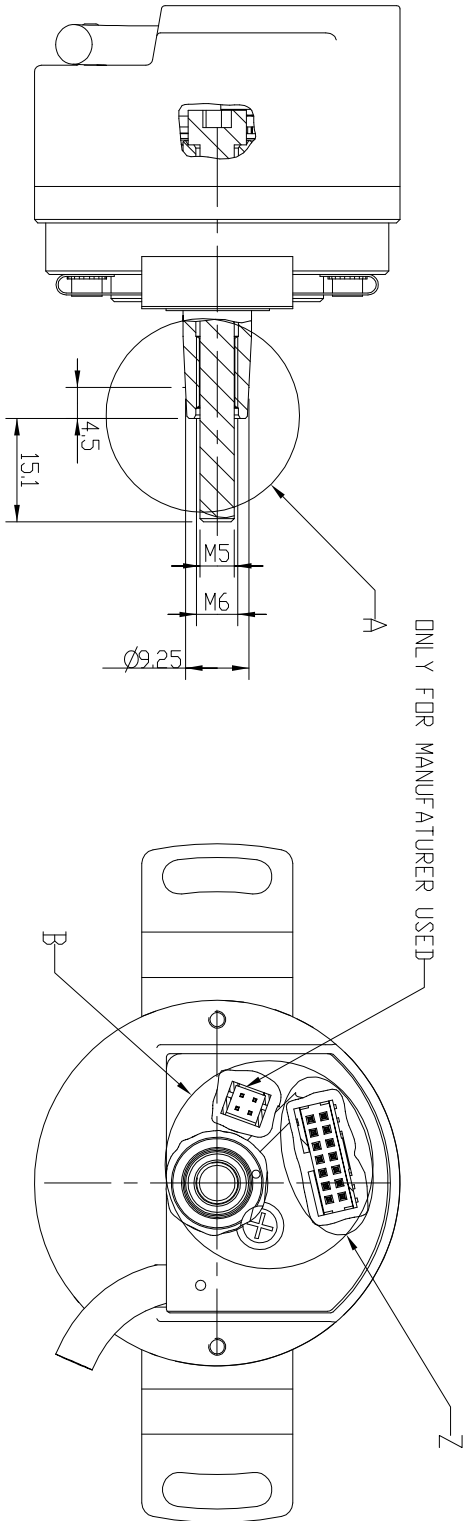
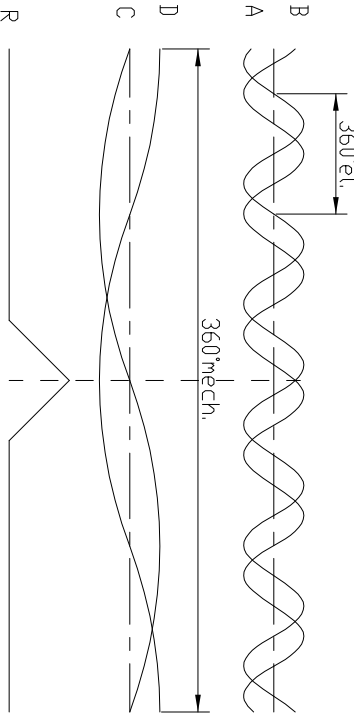


 FIRST ANGLE	LENGTH/ DIAMETER	0.5-6	>6-30	>30-120	>120-400	>400-1000	>1000-2000	>2000-4000	RADIUS/ CHAMFER	0.5-3	>3-6	≥6	ANGLE (shorter side length)	0-10	>10-50	>50-120	>120-400	>400
TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2		TOLERANCE	±0.2	±0.5	±1	TOLERANCE	±1°	±0.5°	±0.3°	±0.15°	±0.1°

REV	ECN	DATE	APPROVED
A	18-002	2018-01-03	YC



Signal Format
CW SHAFT ROTATION



Connector	Pin	Color	Function
	1a	BRN	C-
	1b	GRY/PNK	SV
	2a	YLW	A-
	2b	BLK	A+
	3a	GRN/BRN	NC
	3b	BLU	B+
	4a	PNK	R-
	4b	GRY	R+
	5a	RED	B-
	5b	WHT/GRN	GND
	6a	VIO	D-
	6b	GRN	A+
	7a	RED/BLU	NC
	7b	WHT	C+

Electrical Data:
Code: Incremental with sin/cos interface
Number of pulses: 2048
Operating Voltage: 5 ±10% VDC
No-load supply current: 150mA max
Output Signals: sin/cos 1Vpp
Maximum Response Frequency: 180 kHz
Mechanical Data:
Weight: 200g typ.
Dimensions:
Outside Diameter with cover: 53.3mm; Mounting depth: 44.2mm
Material:
Bearing housing: aluminium;
Cover: aluminium;
Shaft: stainless steel
Shaft Diameter: 9.25mm nominal tapered 1:10
Mating Shaft Runout: ±0.1mm max.
(Includes shaft perpendicularity to mounting surface)
Mating Shaft Axial movement: max. ±0.4mm
Max. Velocity: RPM=1000RPM;
Environmental:
Operating Temperature: -20°C to +100°C
Storage Temperature: -40°C to +120°C
Shock: 100 Gs for 11 msec duration
Vibration: 10 Gs at 5 to 2000 Hz
Relative Humidity: 95% non-condensing
Enclosure Rating: IP 40 (Cable needs to be oriented downwards)

TOLERANCES UNLESS INDICATED:				UNITS: mm	
XXX	XX	ANGLES	FINISH	MATERIAL:	
±	±	±	±		
©2016 D.T.C. "C" SIZE					
FILE NAME:			SCALE:	COMPLIANCE REQUIRED	
703058-0008			/	DIL CC5A CDE DTUV	
DRAWN:			DATE:	EFCO DVC01 DRHS DATEX	
DE VIN			2016-08-24	PRO/E MODEL: 703058-0008	
CHECKED:			DATE:	APPLICATION: RS20	
ERIC			2016-08-24	DRAWING NUMBER	
RELEASED:			DATE:	REV	
YC			2016-08-24	703058-0008	
				A	