



## C / D Series

Compact and low profile, C / D Series Encoders provide parameters of reflective optical technology, transmissive optical technology with and without differential line drivers, and multitude of line counts.

Modular and bearing construction options. Bearing style encoders provide significant performance upgrades in demanding applications. Factory installed and tested for quick start-up.

Encoders are identical to the Q / V Series except for the additional motor commutation signals.

### ■ Benefits

- Resolutions from 1000 to 5000
- Differential line driver is standard
- Frequency response to 500 kHz
- Rugged mechanical design
- 1° (mech) accuracy of commutators
- IP 40 Rated

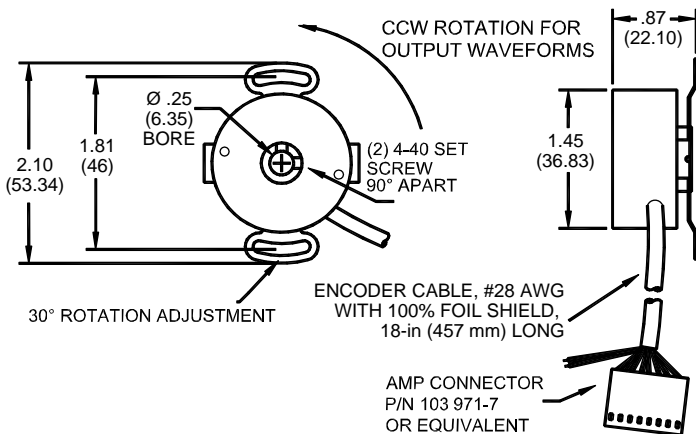
### ■ Characteristics

Encoder Data	Units	Part No.							
		C1 D1	CA	C3 D3	CC	C5 D5	CE	C8 D8	CH
Available Resolutions		1000		2000		2500		5000	
Motor Poles		4	8	4	8	4	8	4	8
Output		2-Channel Quadrature with Index							
Output Interface		TTL Compatible							
Supply Voltage	V <sub>CC</sub>	VDC		4.75 to 5.25					
Supply Current	I <sub>CC</sub>	mA		200 max.					
Max. Operating Frequency	f <sub>MAX</sub>	kHz		500					
Operating Temperature	Θ <sub>MAX</sub>	°C		-20 to +100					

### ■ Connection Chart

COLOR	C / D Series
Red	VDC (+5V)
Black	Common
Brown	Output A
White	Output A'
Blue	Output B
Green	Output B'
Orange	Output Z
Yellow	Output Z'
Violet	Output U
Gray	Output U'
White / Brown	Output V
White / Red	Output V'
White / Orange	Output W
White / Yellow	Output W'
Back / White	Case Ground
Drain Wire	Cable Shield

### Dimensional Drawings: C Series



### Dimensional Drawings: D Series

