

Q / V Series



Compact and low profile, Q / V 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 except for the mounting spring is configured for different motors.

■ Benefits

- Resolutions from 1000 to 5000
- Differential line driver is standard
- Frequency response to 500 kHz
- Rugged mechanical design
- Good for higher temperature
- Shielded cable

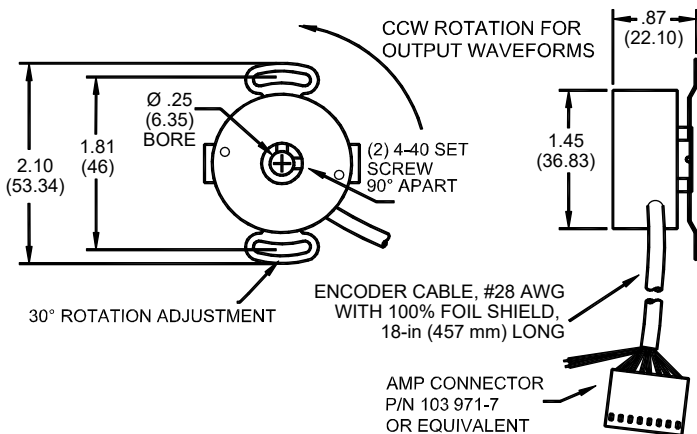
■ Characteristics

Encoder Data	Units	Part No.			
		Q1 V1	Q3 V3	Q5 V5	Q8 V8
Available Resolutions		1000	2000	2500	5000
Output		2-Channel Quadrature with Index			
Output Interface		TTL Compatible			
Supply Voltage	V _{CC}	VDC	4.75 to 5.25		
Supply Current	I _{CC}	mA	125 max.		
Max. Operating Frequency	f _{MAX}	kHz	500		
Operating Temperature	Θ _{MAX}	°C	-20 to +100		

■ Connection Chart

PIN	Color	Q / V Series
1	Red	Vcc
2	Black	Encoder Ground
3	Brown	Channel A
4	White	Channel \bar{A}
5	Blue	Channel B
6	Green	Channel \bar{B}
7	Orange	Index I
8	Yellow	Index \bar{I}
N/C	Black / White	Case Ground
N/C	Drain Wire	Cable Shield

Dimensional Drawings: Q Series



Dimensional Drawings: V Series

