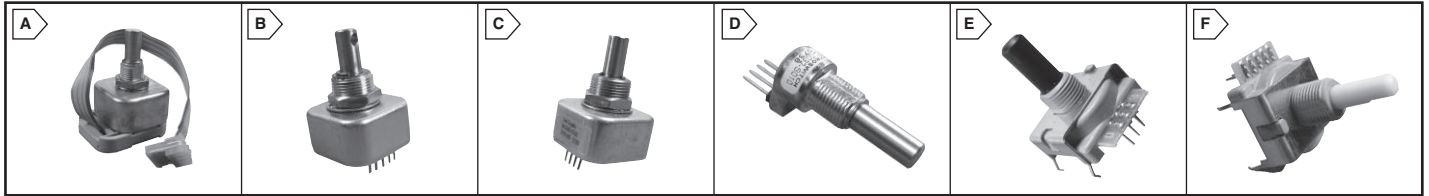


Encoders



ELECTROSWITCH 900 SERIES OPTICAL ENCODERS

The 900 Series offers a full line of low cost, rugged optical encoders with incremental output. Well suited for industrial motion and position sensing, their low profile and high resolution also make them ideal for panel mounted applications. A two-channel quadrature code allows the encoder to detect the direction and magnitude of the input motion applied to its shaft.

Features/Specifications:

- Compact, Robust, Economical
- Up to 128 Pulses Per Revolution (PPR) in a 1" Square Sealed Package
- Bearing Model for High Operating Speeds
- New Low Profile Housing Style
- Two Channel Quadrature Output
- Pin or Cable Output

Applications:

- Mobile/Sensing Control
- Motor Control Devices
- Flow Control Devices
- Input Devices



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Shaft and Bearing Style	Code	Resolution	Termination	Price Each			
							1	25	50	100
690-90Q064-40-00	90Q064-40-00	A	1/4" shaft, 3/8" sleeve bearing	Quadrature	64	4" cable w/ connector	51.67	49.91	48.44	44.29
690-90Q128-00-00	90Q128-00-00	B	1/4" shaft, 3/8" sleeve bearing	Quadrature	128	Straight pins	51.67	49.91	48.44	44.29
690-90Q128-40-00	90Q128-40-00	B	1/4" shaft, 3/8" sleeve bearing	Quadrature	128	4" cable w/ connector	51.67	49.91	48.44	44.29
690-95Q256-00-00	95Q256-00-00	C	1/4" shaft, 1/2" ball bearing	Quadrature	256	Straight pins	51.67	49.91	48.44	44.29
690-95Q256-40-00	95Q256-40-00	C	1/4" shaft, 1/2" ball bearing	Quadrature	256	4" cable w/ connector	51.67	49.91	48.44	44.29

ELECTROSWITCH 500 SERIES MAGNETIC ENCODERS

The Electroswitch 500 Series Magnetic Encoders are built upon a contact free integrated circuit design. This encoder integrates Hall Effect sensing and digital signal processing to provide high-resolution angular measurement solutions. An important advantage of the 500 Series is the dramatic reduction in package size to 1/2 inch, while still incorporating the performance and output options required to support the widest range of industrial and motion sensing applications. The 500 Series design leverages its reduced part count and simplified construction to provide extremely robust, high shock and vibration resistant performance, excelling in harsh and dirty environments.

Features/Specifications:

- Compact, Robust, 1/2" Package
- High Resolution Encoding up to 1024 PPR
- Widest Temperature Range
- Absolute and Incremental Outputs
- Zero Reference Positioning
- Quadrature Code Output
- Contact Free Magnetic Design
- 5.0 VDC

Applications:

- Motor Control Devices
- Flow Control Devices
- Audio / Entertainment
- Avionics
- Medical
- Industrial Position Sensing and Position Control



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Shaft Style	Code	Resolution (PPR)	Termination	Price Each			
							1	25	50	100
690-505Q-0032-S010	505Q-0032-S010	D	1/4" shaft diameter	Quadrature	32	Straight pins	41.68	38.94	37.09	35.72
690-505Q-0064-S010	505Q-0064-S010	D	1/4" shaft diameter	Quadrature	64	Straight pins	41.68	38.94	37.09	35.72
690-505Q-0128-S010	505Q-0128-S010	D	1/4" shaft diameter	Quadrature	128	Straight pins	41.68	38.94	37.09	35.72
690-505Q-0256-S010	505Q-0256-S010	D	1/4" shaft diameter	Quadrature	256	Straight pins	41.68	38.94	37.09	35.72

ELECTROSWITCH 700 SERIES MECHANICAL ENCODERS

The Electroswitch 700 Series is the economical solution to virtually any digital encoder or potentiometer requirement. As the latest version in our new generation of rotary encoder products, the 700 Series has been freshly tooling to include resistive analog output for potentiometer applications, as well as the standard digital code for direct interface with a microprocessor. The .890" package enhances the original design concept, delivering high performance and quality levels in triple digit PPMs.

Features/Specifications:

- Digital Codes Available
- Incremental: Quadrature
- Absolute: Gray
- Analog Resistive Output For Use As A Potentiometer
- 5K And 10K Resistive Element Standards
- High Temperature Materials Meet 85°C Requirements
- Push-button Feature Allows Dual Function With Single Shaft Input

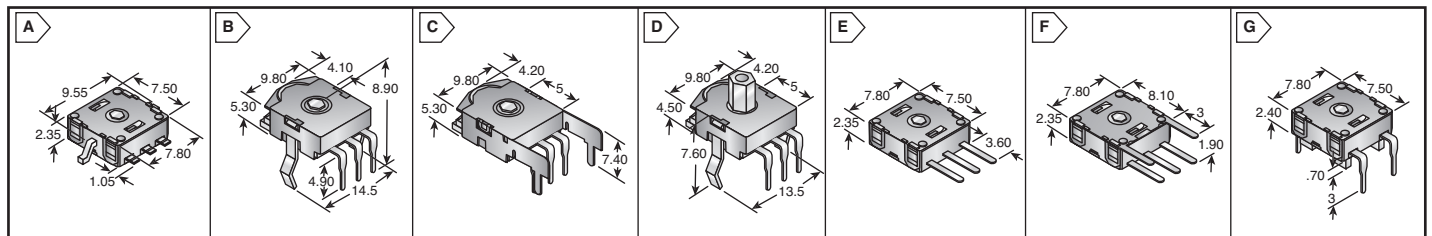
Applications:

- Timer and Temperature Selection
- HVAC Temperature and Fan Control
- Electronic Range Control
- Panel Input Device
- Audio Input



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Code	Cycles/Revolution or Resistive Value	No. of Detent Positions	Price Each			
						1	25	50	100
690-700-09-36	700-09-36	E	Quadrature	9	36	3.92	3.78	3.67	3.41
690-700-16-16	700-16-16	E	Quadrature	16	16	3.92	3.78	3.67	3.41
690-700-24-24	700-24-24	E	Quadrature	24	24	3.92	3.78	3.67	3.41
690-701-08-32	701-08-32	F	Quadrature with Pushbutton	8	32	3.92	3.78	3.67	3.41
690-701-04-16	701-04-16	F	Quadrature with Pushbutton	4	16	3.92	3.78	3.67	3.41
690-701-06-24	701-06-24	F	Quadrature with Pushbutton	4	24	3.92	3.78	3.67	3.41
690-702-01-12	702-01-12	E	Absolute	1	12	3.92	3.78	3.67	3.41
690-702-01-24	702-01-24	E	Absolute	1	24	3.92	3.78	3.67	3.41
690-704-10-00	704-10-00	F	Resistive with Pushbutton	10K	No detents	3.92	3.78	3.67	3.41



MOUNTAIN SWITCH ENCODERS

Dimensions: mm

For quantities of 200 and up, call for quote.

Electrical Specifications:

- Contact Rating: 1mA/10VDC
- Contact Resistance: ≤ 10Ω
- Dielectric Strength: 50VAC 1 minute
- Insulation Resistance: ≥ 50MΩ 50VDC



MOUSER STOCK NO.	Fig.	No. of Pulses	No. of Detents	Price Each				Reel Qty.	Reel Qty. Price Each
				1	50	100	600		
Surface Mount									
101-5413-EV	A	6	12	1.02	.81	.74	.67	1200	.62
101-5425-EV	A	12	24	1.02	.81	.74	.67	1200	.62

MOUSER STOCK NO.	Fig.	No. of Pulses	No. of Detents	Price Each			
				1	25	50	100
PC Mount							
101-5448-EV	B	12	24	.54	.45	.41	.37
101-5433-EV	C	12	24	.54	.45	.41	.37
101-5437-EV	D	12	24	.54	.45	.41	.37
101-5429-EV	E	6	12	1.02	.81	.74	.67
101-5424-EV	F	6	12	1.02	.81	.74	.67
101-5439-EV	E	12	24	1.02	.81	.74	.67
101-5445-EV	F	12	24	1.02	.81	.74	.67
101-5434-EV	G	12	24	1.02	.81	.74	.67