

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Features

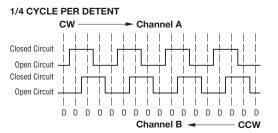
- Quadrature output
- Detent option
- Snap-in PC board mount
- Long operating life
- Incremental output
- Up to 24 full quadrature outputs per revolution

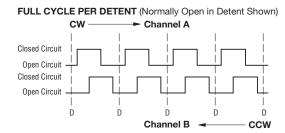
ES Series - Shaftless Contacting Encoders

Electrical Characteristics	
	2 hit guadratura and a Channal A landa Channal B turning alcalquias (CMA
	2-bit quadrature code, Channel A leads Channel B turning clockwise (CW)
Dielectric Withstanding Voltage (MIL-STD-202 Method 301)	
	120 maximum
TIF W (Operating)	120 IIIaxiiiIuiii
Environmental Characteristics	
Operating Temperature Range	-40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature Range	40 °C to +85 °C (-40 °F to +185 °F)
Humidity	MIL-STD-202, Method 103B, Condition B
Vibration	15 G
Contact Bounce	0.1 millisecond maximum
Shock	50 G
Contact Bounce	
Rotational Life	
IP Rating	IP 40
Mechanical Characteristics	
Mechanical Angle	Continuous
	Approximately 8 gm (0.28 oz.)
	Printed circuit board terminals
Soldering Condition	
	Aq/0.5Cu solid wire or no-clean rosin cored wire; 370 °C (700 °F) max. for 3 seconds
	96.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 seconds
•	
	Manufacturer's name and trademark, part number and date code
	No hardware supplied

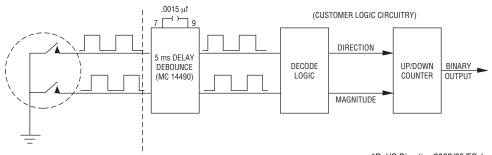
Quadrature Output Table

This table is intended to show available outputs as currently defined.





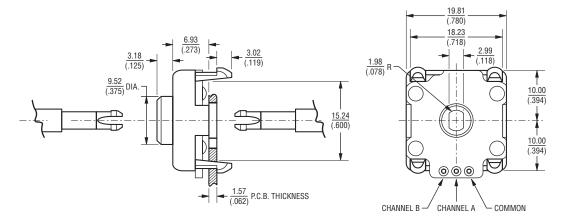
RECOMMENDED INCREMENTAL CONTROL DIAGRAM FOR USE WITH A DEBOUNCE CIRCUIT



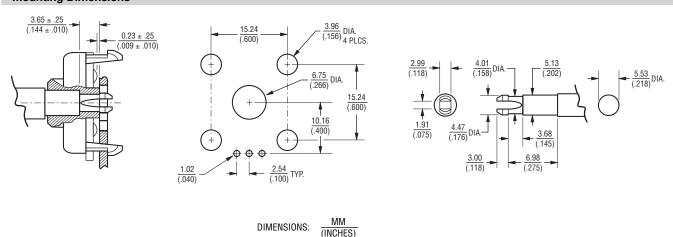
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Product Dimensions



Mounting Dimensions



ES Series - Shaftless Contacting Encoders

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How To Order

