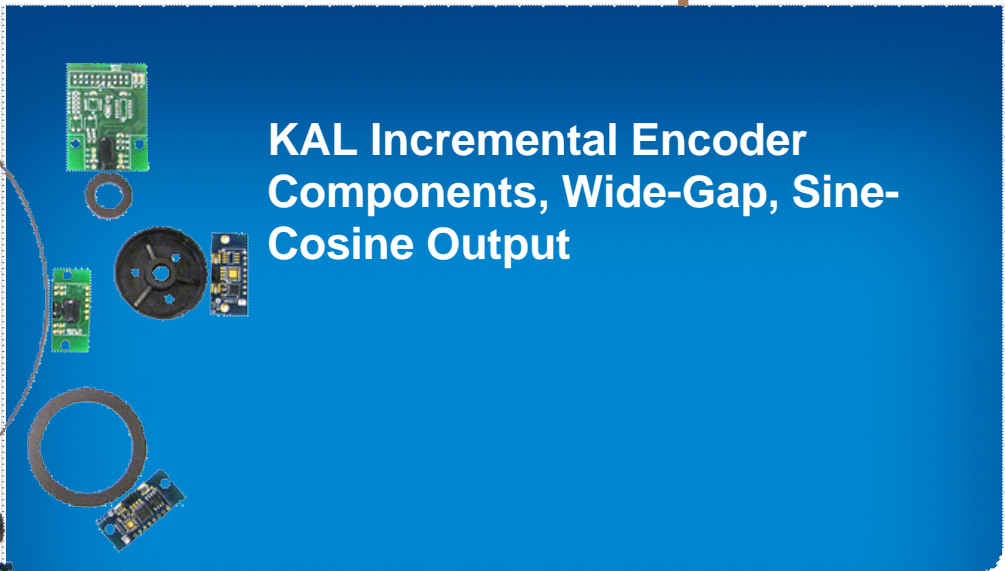
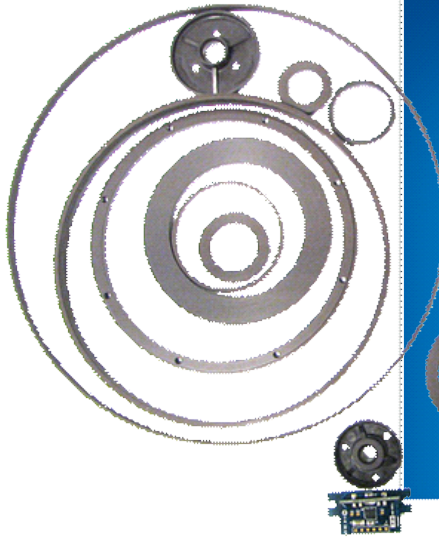


# KAL Sine-Cosine Encoder Components



**KAL Incremental Encoder  
Components, Wide-Gap, Sine-  
Cosine Output**

**Obsolete-No Longer  
Available**

## **KAL**

KAL sine-cosine magnetic encoder components are no longer available. KXL digital magnetic encoder components are available and may offer an alternative solution.

## OUTLINE DRAWING

Check out our website for more detailed specifications, drawings, and installation instructions. [www.avtronencoders.com](http://www.avtronencoders.com)

## MORE KAL ADVANTAGESKAL SPECIFICATIONS

Resolution: 16-256 CPR (Sine-Cosine Cycles)  
Outputs: S+, S-, C+, C- (Differential Sine-Cosine)  
Maximum Speed Up to 100,000 RPM  
Channel Frequency 500 kHz maximum  
Airgap: 0.012" [0.3mm]  
Angular Error: <4 arc minutes  
Hysteresis: 1 edge  
Operating Temperature -40 to 115 °C  
Supply Voltage 5.0 ±0.25 Vdc  
Supply Current 20 mA typical

## SELECTION GUIDE



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All dimensions approximate.