



High-Performance Sensing

Kearfott resolvers continue to lead the sensing industry in quality, reliability, and functionality. Innovative design solutions allow for small, lightweight sensors that can perform over a wide array of operating conditions. Applications for Kearfott resolvers span the aerospace industry, including high-speed motor commutation, control surface feedback, pilot command/feedback, fuel controls, and stabilized platforms.

Kearfott offers single-channel, multi-channel, and pancake configurations as well as fully integrated gearhead resolvers with customizable gear ratios.

Features & Benefits

- ✓ 350,000 Hour Reliability (>350,000 hour MTBF)
- ✓ Environmentally and Hermetically Sealed Options
- ✓ Lightweight
- ✓ Cost Effective
- ✓ Compact Packages

Resolver Product Specifications

<i>System Characteristics</i>	
Size	Size 8 to 80+
Excitation	2Vrms to 28rms, 400Hz to 10,000Hz
Type	Transmitter (RX), Receiver (RC), or Differential (RD)
<i>Typical Performance Characteristics</i>	
Accuracy	Single Speed: 10 arc-min typical, 3 arc-min available Multi-Speed: 20 arc-seconds
Available Features	Redundancy, flexible mounting interface, environmentally & hermetically sealed, integrated gearing
Operating Temperature Range	-55 to 230°C (-67 to 450°F) Extended Ranges available upon request