

Bespoke EMC Filter Solution for 'Black Box' Flight Data Recorder

Technology Solution: The manufacturers of components for a 'black box' flight data recorder required an EMI filter solution including planar filtering and Transient Voltage Suppression, to prevent disruption or degradation of system communications across the aircraft's electrical infrastructure.

Oxley designed the filter performance around the customer requirements to the highest standards, but was also able to employ its in-house design and engineering resources to configure the metalwork and connectors. This ensured the filter integrated seamlessly with customer systems within the envelope of the flight data recorder for 'plug and play' functionality.

"All design and manufacturing was carried out in-house by Oxley."

The company's ability to engineer bespoke solutions designed to integrate with customer systems and mechanical configurations offers an innovative added value to its design, manufacturing and testing capabilities.

Quality Assured: To further enhance its service offering Oxley offers in-house test facilities covering the full range of optical, environmental, vibration, mechanical, temperature altitude, waterproofing, humidity and salt spray.

