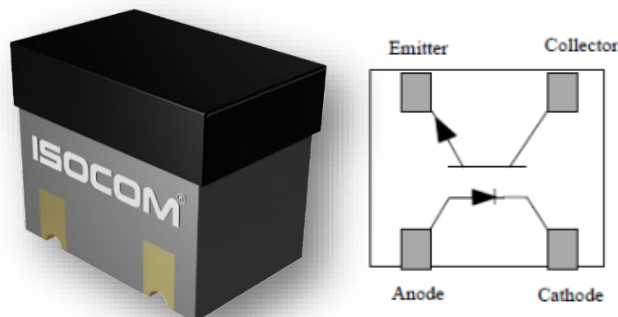


CH100 & CH101 Optocoupler / Optoisolator Series

ISOCOM's Ultra-Low Temperature Tolerant (-150°C), Radiation Hard Optocoupler



ISOCOM Limited has been successful in creating the smallest profile optocoupler series – The CH100 & CH101 Series. The CH100 & CH101 Series are single channel, radiation hard optoisolator devices. They are composed of an infrared emitting diode and a silicon phototransistor. Package styles for this device include a 4-pin surface mount package.

The series has been designed, manufactured, and tested to meet the requirements of very low temperatures, operational to -150°C, that are encountered in harsh environments experienced in space applications. These devices can be wire bonded within a hybrid application or mounted directly onto a PCB board offering the customer flexibility in their design.

The optocouplers have an incredibly low profile of 2.1 x 2.54 x 3.0 mm. The devices offer a printed circuit board (PCB) mounting space savings of up to 23% compared to other products on the market. The series is only 3.0 mm long, 2.5 mm wide and 2.10 mm high. The optocoupler series has an operating temperature range of -150°C to +125°C, a rated current transfer ratio of 100% Min and input current of 1mA.

These ultra-low profile optoisolators enables space saving smaller electronic designs for harsh space radiation environment of space mission electronic circuits for satellites, DC DC Converters, power devices, switching circuits and isolation applications and many more.

“ISOCOM has expanded its ultra-low profile Optocouplers to enable space electronic OEMs to develop smaller and smaller end-devices.” said Thomas Bayat, Managing Director and CEO of ISOCOM Limited. *“The CH100 Series meets the needs of aerospace and space electronic devices by combining miniaturization with rugged and reliable performance.”*

ISOCOM Limited offers a wide range of electronic components, including optocouplers, MOSFETs, solid state relays and more; available in a variety of circuits configurations, package styles & finishes. Their products are suitable for space, defence, aerospace, medical & industrial applications.

All ISOCOM products are designed, manufactured, and tested at their 18,000 sq ft purpose-built manufacturing and office facility located in Peterlee, County Durham, UK. The building is specifically designed to accommodate their advanced manufacturing and testing processes and allows them to develop custom solutions based on individual requirements and complex specifications.

Regular audits ensure that they continue to produce products to the highest standards. ISOCOM and their facilities are accredited to AS9100D and ISO 9001, meaning that customers can remain confident in their level of ability and service. ISOCOM space and defence level products are screened in accordance with MIL-STD. MIL-PRF-19500 for single-chip, and MIL-PRF-38534 for multi-chip products.



To learn more about ISOCOM and their products, please visit www.isocom.uk.com. For any other information, please email sales@isocom.uk.com.