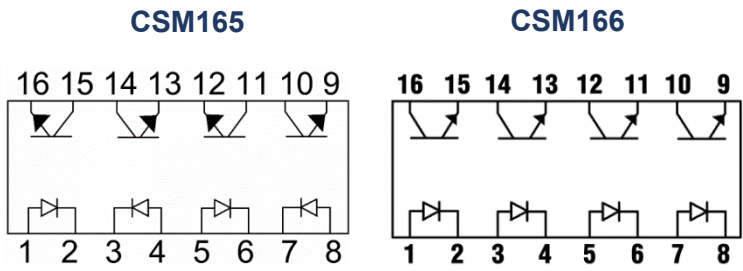
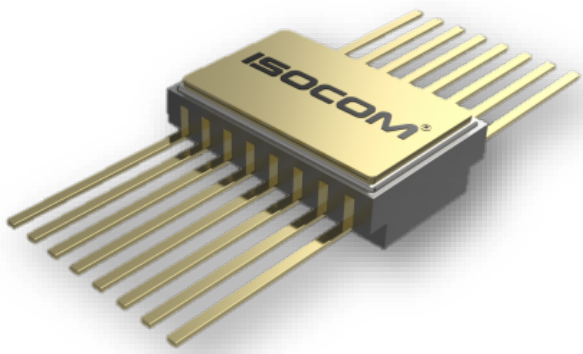


CSM165 & CSM166 Optocouplers / Optoisolators

ISOCOM's Dual & Quad Channel, Radiation Tolerant Optocouplers / Optoisolators



The CSM165 and CSM166 are hermetically sealed, radiation hard optically coupled isolators, composed of a Gallium Arsenide infrared emitting diode and a silicon phototransistor. These electronic components are available in both Dual Channel (CSM165-2 and CSM166-2) and Quad Channel (CSM165-4 and CSM166-4). The CSM165-4 radiation tolerant optocoupler is the Quad Channel version of the IS49.

The devices are Radiation Tolerant tested to 150Krad(Si) and Displacement Damage Tested to MeV x 10¹². The CSM165 and CSM166 operate within the full military temperature range of -55°C to 125°C making them suitable for the harsh environments encountered by space applications, as well as military and high reliability applications.

These components are released to European standard and comply with MIL-STD and are also manufactured to JANS standards in conjunction with MIL-PRF-19500 procedures. They have a high Isolation Voltage of 1,500V_{DC}, as well as low input requirements and a high current transfer ratio.

The CSM165 and CSM166 optoisolators are also suitable for many other applications such as – medical instruments, MOS/CMOS, logic interfacing, data transmission, power supplies, modems. Package styles for these transistor optoisolators include a 16-Pin Flatpack package with solder dip options available.

ISOCOM 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 ISO9001, 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.