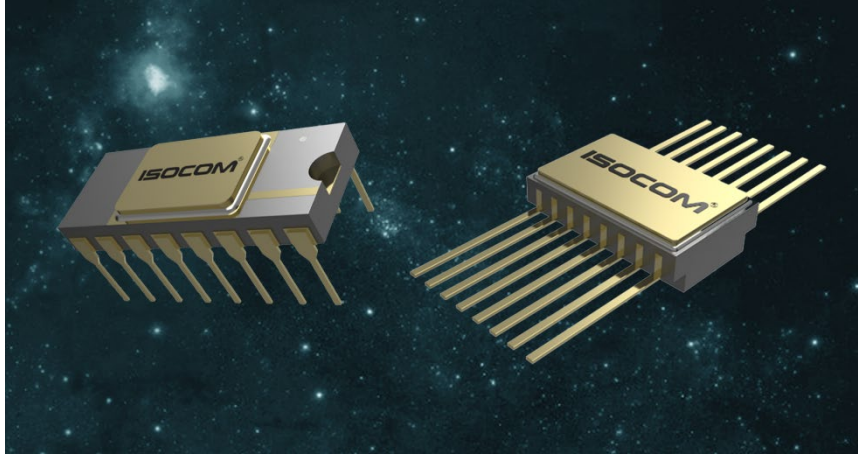


CDL400 & CDSML400: Presenting Our Radiation Tolerant Range of Dual Channel Linear Optocouplers



The CDL400 and CDSML400 are hermetically sealed linear optocoupler dual channel devices, consisting of an optically coupled LED with two photodiode detectors with each channel. Package styles for these devices include a 16-Pin DIP package for the CDL400 and a 16-Pin flatpack package for the CDSML400 with lead form and solder dip options available.

The input photodiode acts as feedback to the LED to maintain a constant LED current light output. The output photodiode drives the output circuit and maintains electrical isolation. These high reliability optocouplers maintain a linear operation in input-to-output optical coupling.

The devices are designed and manufactured to maintain a narrow range of current transfer ratio over a wide range of input currents. These radiation hard optocouplers compensate for the large decrease in LED light output with temperature by operating the photodiode at a high injection.

Galvanic isolation is required for these electronic components to be used in harsh space and aerospace applications. Other applications include military equipment, medical Instruments, MOS/CMOS, logic interfacing and power supplies.

The CDL400 and CDSML400 can also be used in linear amplifiers and power converters.

These components are TID tested to 150 Krad(Si) and Displacement Damage tested to 1 MeV x 10¹³. They operate within the full military temperature range (-55°C to 125°C) and have an input-to-output isolation voltage of 1,500 V_{DC}.

For further information please visit the Isocom website www.isocom.uk.com or email our team at sales@isocom.uk.com