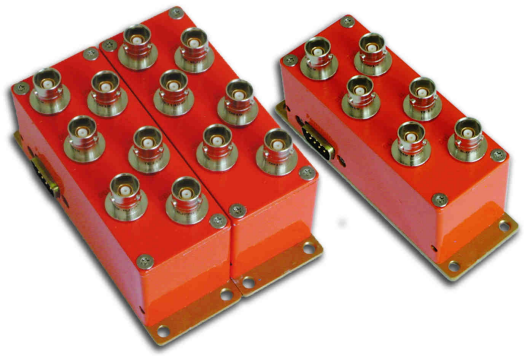
GLE/BIM-102 Mil-Bus 1553 Bus Isolation Module

Main Features

- Two Mil-Bus 1553 isolation channels
- Two buffered outputs per channel
- Compact and rugged construction
- Stackable for multi-channel configurations



Applications

- Flight testing
- Mission data monitoring
- Avionics test rigs

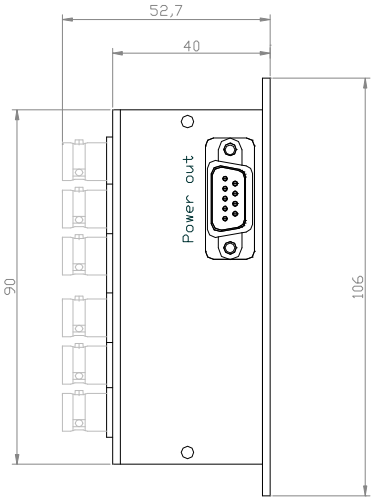
Overview

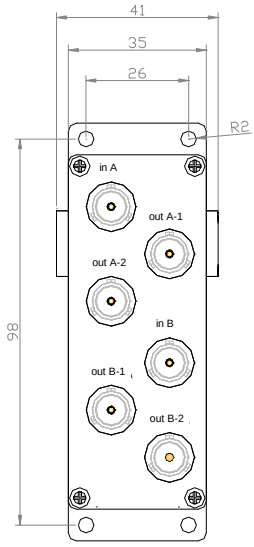
GLE/BIM-102 is a rugged and compact unit designed to isolate, split and buffer a dual redundant Mil-Bus 1553, in order to connect two redundant bus monitor on a single redundant external bus coupler.
All Mil-Bus 1553 I/O are done via Trompeter Twinaxial connectors, while the power supply is pass-through by means of D-Sub connectors, in order to stack multiple units with only one power supply connection.
Each I/O connection has its own Mil-Bus 1553 isolation transformer.
Each input requires a Mil-Bus 1553 external coupler.
GLE/BIM-102 units have been used to support data acquisition tasks within the flight testing and certifications activities of military aircrafts, as for example EFA Typhoon.

Main characteristics

Input	Redundant Manchester II Biphase Level Mil-Bus 1553, 30 Vpp max. It is required the use of a Mil-Bus 1553 external coupler on each input.
Output	Redundant Manchester II Biphase Level, 12 Vpp max. Each redundant input is split and buffered on a dual output.
Power supply	19 ÷ 35VDC, 3 Watt max/unit. A maximum of 12 units can be stacked together and powered from the same DC source.
Enclosure	Electroless nickel plated aluminum case orange painted. 90 x 40 x 35mm / 200 grams, excluding mounting flange.
Operating Temperature	Operating: -40 ÷ +85°C
Humidity	0 ÷ 95% RH
Altitude	Up to 65.000 ft

Mechanical Dimensions (mm)





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