

GLE/BIM-102

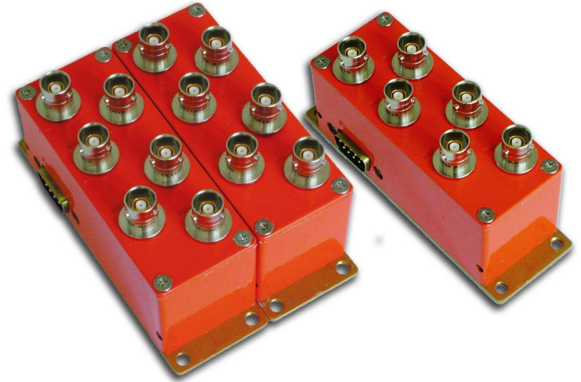
Mil-Bus 1553 Bus Isolation Module

Applications

- Flight testing
- Mission data monitoring
- Avionics test rigs

Main Features

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



Overview

The GLE/BIM-102 unit is designed to isolate, split and buffer a dual redundant Mil-Bus 1553, in order to connect two redundant bus monitors on a single redundant external bus coupler.

All Mil-Bus 1553 input/output connections 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 input/output connection has its own Mil-Bus 1553 isolation transformer.

Each input requires a Mil-Bus 1553 external coupler.

Main characteristics

Input:	Redundant Manchester II Biphas 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 Biphas 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 3 5mm, excluding the mounting flanges
Temperature	Operating: -40 ÷ +80°C / Storage: -50 ÷ +125°C
Humidity:	0 ÷ 95% RH
Altitude:	Up to 65.000 ft

This product is intended for data measurement and testing purposes, it has not to be used in applications whose its failure to perform can be expected to cause damages to properties and/or persons and/or injury to human life. Due to continuous developments, specifications are subject to change without prior notice.



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