



9622 Synchro/Resolver to Digital Module

Specifications

- **Channels:** True 8 Channel System without MUX
- **Channel Resolution:** Software selectable for 10, 12, 14, or 16 bits.
- **Accuracy:** ± 3 arc minutes for 16 bit resolution
 ± 6 arc minutes for 14 bit resolution.
- **Input Ranges:** 11.8VL-L or 90VL-L
- **Tracking Rate:** 5 rps for 16 bit resolution
25 rps for 14 bit resolution.
- **Input Impedance:** 40K minimum
- **Isolation:** 1500V

VME Specifications

- Meets VME Specifications Revision C.1 IEEE Std. 1014-1987
- A16:D32 BLT Slave
- Address Modifier Code 29, or 2D HEX.
- 1K consecutive byte locations, base address configurable within 64K Short I/O space.
- **Board size:** 6U

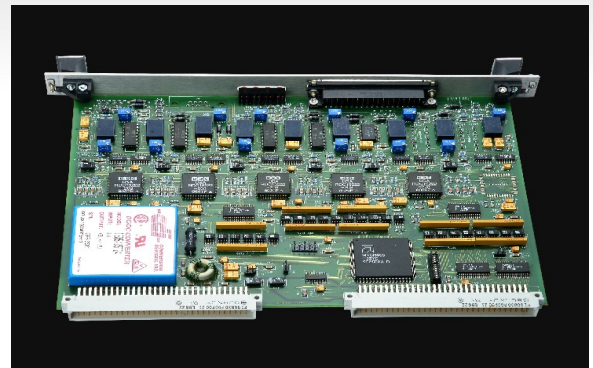
Power Requirements

- +5 Volts @ 400mA
- +12Volts @ 125mA

Environmental

- **Operating Temperature:** -20 to 85 °C
- **Storage Temperature:** -40 to 125 °C
- **Shock:** 25g, 11ms on all axis

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The 9622 Synchro/Resolver Module offers the following features:

The 9622-NA may be configured as a drop-in replacement to the North Atlantic F5410 or B5410 with I/O coming in from either the VME P2 connector or the front panel DB37 connector.

The 9622-GE1 is configured as a drop-in replacement for the VMIVME-4911 with I/O coming in from both the VME P2 connector and the front panel DB25 connector.

The 9622-GE2 is configured to replace two VMIVME-4911 cards with two DB25 connectors on the front panel. The card is set with two base addresses so that the user's software treats the single 8 channel card as two 4 channel cards.

Other features include:

- Interrupts on loss of signal or reference.
- Front panel LED's indicate presence of reference signal.
- Internal Self-test.
- Each channel is independently configured for either 60Hz or 400Hz operation
- Optical Isolation
- Conformal coating is standard on all units.
- Conduction-cooled version available