



Merlin VME Sales

9460/9461 QUADRATURE ENCODER MODULE

SPECIFICATIONS

Number of Channels: 6 channels with the 9460 or 8 channels with the 9461

Encoder Inputs (Signals A and B): Differential: RS-422A, RS- 423-A
Single Ended: RS-422A, RS- 423-A

Index Capture Inputs: Differential: RS-422A, RS- 423-A
Single Ended: RS-422A, RS 423-A

Input Voltage - Singled ended: $\pm 15V$

Input Voltage - Differential: $\pm 25V$

Channel Resolution: 16 bits with 9460 or 32 bits with 9461

Maximum Encoder Tracking Frequency: 1.3 Mhz

VME COMPLIANCE

Meets VME Specifications Revision C.1 IEEE Std.1014-1987

A16:D32 DTB Slave

Address modifier code 29 or 2D HEX

Short I/O Space covering 256K consecutive byte locations, base address configurable within 64 K I/O space

Board size: 6U

Power Requirements

+5 Volts @ 500mA

Environmental

Operating Temperature: -40 to 85° C

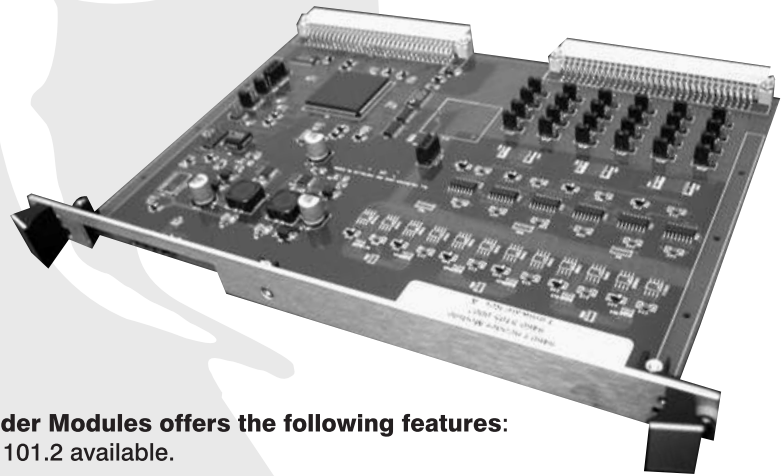
Storage Temperature: -40 to 125° C

Shock: 25g, on all axis

Features

The 9460 and 9461 Quadrature Encoder Modules offers the following features:

- Conduction-cooled version 1AW IEEE 1101.2 available.
- Custom firmware available.
- Two interrupt sources (Overflow of one or more channels and Index Capture of one or more channels) with one IRQ level, one interrupt vector and one vector modifier.
- The overflow register and interrupt can be used with virtual counter allowing infinite counts.
- Optional optical isolation.
- The 9460 Module is a drop-in replacement for the SBS Technologies IP-Encoder-6 used with a VIPC618 Carrier Board.
- The 9461 Module offers 8 channels and the ability to store the counter value when an index pulse is sensed.



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