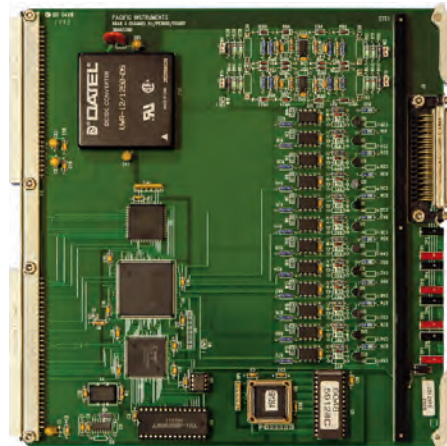


The 6049 is a four-channel input module for use with quadrature encoders. Each channel has optical isolation for the "A", "B", and "Z" inputs. The "A" and "B" quadrature inputs feed a 32 bit up/down accumulator, that may be set or cleared under program control. The up/down polarity for each 32 bit accumulator is programmable. A short debounce filter for the "A", "B", and "Z" inputs can be programmed for 0 to 230 nsec.



FEATURES

- Four independent 32-bit channels
- Optic isolated inputs
- Noise reduction input filters
- 12 Volt isolated power for inputs

SPECIFICATIONS

DIGITAL INPUTS (OPTIC ISOLATED)

LevelRequires 5 Volts at 8 mA to trigger the optic coupled input. Inputs are protected to ± 50 Volts.

Isolation300 Volt.

Frequency.....DC to 1 MHz

OUTPUT

Resolution32-bits

RANGE

Frequency.....0 Hz to 1 MHz

Count.....0 to 4.295×10^9 or $\pm 2.147 \times 10^9$

ACCURACY

Count..... ± 1 count.

ISOLATED POWER

Voltage12 Volts.

Current.....1 Amp maximum.

GENERAL

Mounting.....Occupies one slot in Series 6000 enclosures.

Connector.....50-pin, Type D. Connector is mounted on the front and the mate is supplied.

Temperature0°C to +50°C

ORDERING INFORMATION

60494-Channel, 32-bit Quadrature Decoder