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V600-series Limited-production Products

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V615 6-channel, 100 MHz Counter

The V615 is a single-width, C-size, register-based, VXIbus module that contains six independent 24-bit counters. These counters accept terminated NIM signals at rates ranging from dc to 100 MHz, with a minimum pulse width of 3 ns. (The nominal NIM signal input is -16 mA into 50 ohms for a logical "one," and 0 mA for a logical "zero.") An external inhibit signal can be used to gate off all counters. Each counter has an overflow bit which is set on a carry from bit 24, and generates an interrupt, if enabled. Counters continue to increment after the overflow condition has occurred. The pattern of overflow bits can be read via software. The counters can be individually cleared by software commands, or as a group by a software command or front panel signal. All inputs are terminated in 50 ohms while the inhibit and clear inputs are high impedance.

Data sheet available upon request.

V630 4-channel, 50 kHz Frequency Counter

The V630 is a single-width, C-size, register-based, VXIbus module that provides four frequency measurement channels. This counter module can be used to monitor a variety of pulse sources. Moreover, its unique circuitry allows the monitoring of a wide range of frequencies without changing any module settings. For example, the RPM of an aircraft engine shaft can be monitored at full speed as well as when it is coasting to a stop. Differential input circuits with filtering and hysteresis are used to provide high noise immunity.

The V635 Frequency Counter should be used for new designs.

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