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Find the *Highland Technology V851* at our website: ***Click HERE***

V850 4-channel VME digital delay/pulse generator

- 4-channel VME digital delay generator
- Delay and width modes
- 40 (39.0625) picosecond LSB resolution with 32-bit (167.8 milliseconds) full-scale delay range
- Jitter < 25 picoseconds RMS typical from external trigger
- Adjustable trigger threshold and output levels
- Insertion delay of 25 nanoseconds
- Optional NIM level outputs for all delay channels



The V850 is a single-width, 6U VME digital delay generator that accepts a single trigger input and generates four separately programmable delay outputs. The module features 32-bit dynamic range, 40 picosecond resolution, low jitter, and high rep-rate capability. All channels are triggered simultaneously; the module generates a "T0" reference edge 25 nanoseconds after trigger, and four delay outputs, each programmable from 0 to 167.8 milliseconds.

The outputs can also be configured to generate widths. This mode uses paired channels to generate a pulse whose rising and falling edges are determined by channel programming. Up to two such delay+width outputs are available.

V850 delay parameters may be programmed on-the-fly at VMEbus speeds without generation of erroneous delays. All delay channels can be updated coherently.

This product is not recommended for new design. Consult factory for more information.

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