

1410

Quad Discriminator with Down Scaling

Features & Specifications

This module is Quad independent Non-updating Discriminator Leading Edge type with down scaling for physic experiment.

The module accepts negative polarity signals.

Quad input negative polarity DC input 50 Ω

Threshold Level -5mV ~ -600mV

Down scale (1/n) can controlled by rotary switch.

Down scale (1/n) is 1/1, 1/2, 1/5, 1/10, 1/20, 1/50, 1/100.

Discri Output 1 NIM out.

Down scale Output 1 NIM out, 1 TTL out.

Pulse width 10nsec ~ 120nsec at Discri out

Pulse width 50nsec ~ 800nsec at Down scale out

Maximum rate <100MHz

Propagation (input-output) time <10nsec at Discri out

Propagation (input-output) time <30nsec at Down scale out

Threshold monitoring can accept all channels.

Width controls can accept all channels.

Input protected by diode clamping.

This is designed with AD96685 comparator.



Packaging NIM #1 with LEMO 00 connectors

Power requirement -6V 2.7A, +6V 240mA, -12V 35mA

Weight 2.0kgs

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