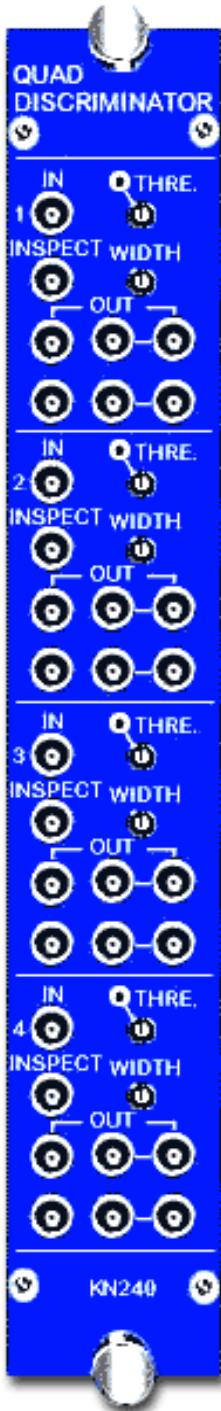


QUAD DISCRIMINATOR



«ABSTRACT»

◆ This is a wave height discriminator module that developed for use of the test of the particle physics and nuclear physics that treat high speed and great quantity datas..

◆ Input and output signal is based on NIM standard of AEC.
(Atomic Energy Commission US)

◆ This module has 4 channels that each channel has 1 channel input and 6 channels outputs which can be controlled its pulse width. Also this module has VETO input and 4 channels gate inputs on rear panel.

◆ It can adjust the threshold level of the input signal on front panel.
(with a terminal for its level check)

◆ It can adjust the output pulse width by the volume on front panel
in range from 10nS to 100nS.

«Specifications»

Input characteristics ;

◇ Threshold : $-40\text{mV} \sim -750\text{mV}$

Output characteristics ;

◇ Output pulse : Risetime 1. 2nS
Falltime 0. 8nS

◇ Maximum frequency : 55MHz / when the output pulse width is 6nS

◆ Input and Output connector : Standard LEMO connector

◆ Packaging : NIM standard single-width module.

◆ Consumption current : -6V : Approx.1100mA
 -12V : Approx.100mA
 $+12\text{V}$: Approx.80mA



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