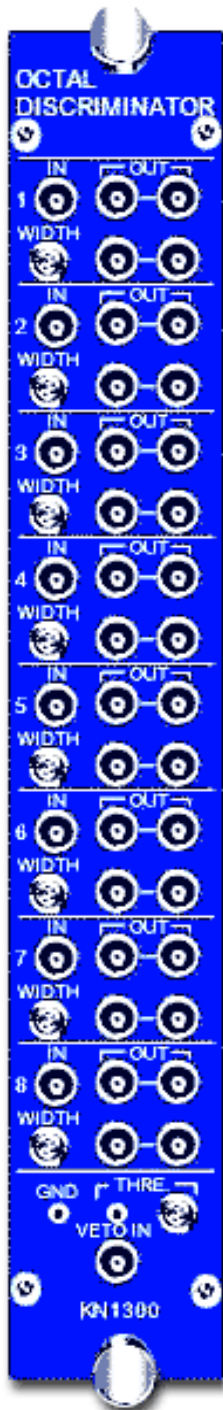


OCTAL DISCRIMINATOR



«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 data.

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

◆ This module has 8 channels that each channel has 1 channel input, 4 channels outputs and the circuit consisted of WIDTH.

«Specifications»

Input characteristics ;

◇ Number of inputs : 1 × 8ch

◇ Impedance : 50 Ω

◇ Threshold voltage : -20mV ~ -500mV

(set by the variable resistor on front panel/8ch the same method)

◇ VETO : at about -450mV, It inhibits all outputs./8ch the same method

(GATE input is on rear panel)

Output characteristics ;

◇ Number of outputs : 4 × 8ch

◇ Impedance : 50 Ω

◇ Pulse width : 6. 5S ~ 110nS

(set by the variable resistor on front panel/ch)

◇ Risetime : Approx. 1nS

◇ Falltime : Approx. 1nS

◇ Maximum frequency : 55MHz

◆ Input and Output connector : Standard LEMO connector

◆ Packaging : NIM standard single-width module.

◆ Consumption current : -6V Approx. 1. 2A
+ 6V Approx. 110mA
+24V Approx. 45mA



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