

These charts are intended as selection guides only. For complete and precise specifications, consult the data sheet for each model.

Delay Selection Guide

Model	DB463 Delay Box	425A Nanosecond Delay
Type of Signal	Analog or logic	Analog or logic
Number of Duplicate Channels	4	1
Delay Range per Channel	0 to 63.5 ns	2 to 65 ns
Minimum Delay Adjustment	0.5 ns	1 ns

Gate and Delay Generator Selection Guide

Model	GG8020 Octal Gate and Delay Generator	416A Gate and Delay Generator
Number of Duplicate Channels	8	1
Module Width	NIM-1	NIM-1
Input	Fast negative NIM logic pulse	Slow positive NIM, or fast negative NIM logic pulse
Outputs	Fast negative NIM and TTL logic pulses	Positive and negative delayed outputs with amplitude adjustable from 2 to 10 V; delay period (+5 V); delay marker (fast negative NIM)
Output Delay	<70 ns to >10 μ s	100 ns to 110 μ s
Output Width	<70 ns to >10 μ s	400 ns to 4 μ s

Logic Module Selection Guide

Model	CO4020 Quad 4-Input Logic Unit	414A Fast Coincidence	418A Universal Coincidence	499 Logic Converter
Number of Duplicate Channels	4	1	1	8 + 8 (16)
Module Width	NIM-1	NIM-2	NIM-1	NIM-1
Logic Functions	AND, OR	AND, anti-coincidence	Majority AND, NAND	Fast Negative NIM to TTL, TTL to Fast Negative NIM
Number of Inputs Per Channel	4	3	5	1
Input Level	Fast negative NIM	Slow positive NIM	Slow positive NIM	Fast Negative NIM, Slow Positive TTL
Outputs	TTL and Fast negative NIM	Slow positive NIM	Slow positive NIM	TTL, Fast Negative NIM, and complements
Special Features	Adjustable output widths	Adjustable resolving time widths	Majority logic	40 MHz TTL to Fast Negative NIM, 60 MHz Fast Negative NIM to TTL

Linear Gate Selection Guide

Model	426 Linear Gate	542 Linear Gate and Stretcher
Input Pulse Amplitude Range	+200 mV to +10 V	+100 mV to +10 V
Minimum and Maximum Rise Time	<0.3 μ s to dc	0.1 to 10 μ s
Input Coupling	ac-coupled with passive, symmetric BLR; can be dc-coupled	dc-coupled, or ac-coupled with active BLR
Output Reshaping	None	Input peak amplitude stretched and gated out as a rectangular output pulse
Gating Functions	Pulse pass, pulse inhibit, dc inhibit	Normally open, coincidence, anticoincidence, external strobe

Specifications subject to change
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