ORTEC

ORTEC 414A

Fast coincidence

Coincidence logic for coordinating two or three detector signals, with a separate anticoincidence input for vetoing the output.



Coincidence inputs	Anticoincidence inputs	Resolving time (2τ)
3 [1]	**1** [1]	**10–110 ns** [1]

Specifications

Coincidence inputs	3	[1]
Anticoincidence inputs	1	[1]
Resolving time (2τ)	10–110 ns	[1]
Pulse-pair resolution	<100 ns per input; <1 µs at coincidence output	[1]
Input threshold	+2 V	[1]
Minimum input pulse width	20 ns	[1]
utput amplitude	≥5 V	[1]
utput pulse width	≥500 ns	[1]

Sources

[1] **414A Fast Coincidence**
RTEC (AMETEK) · datasheet · p. 1, Inputs (COINC); p. 1, Inputs (ANTICOINC); p. 1, Specifications – Performance · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin…

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.