ORTEC

ORTEC 425A

Nanosecond delay

Passive coaxial delay for aligning analog and logic signals, using switched cable sections without a power supply.



Selectable added delay	Fixed minimum delay	Total delay
0–63 ns [1]	**.0 ns** [1]	**2–65 ns** [1]

Specifications

PERFORMANCE

Delay accuracy	±100 ps or ±1% per selected section	[1]

ELECTRONICS & SIGNAL

Input/output impedance	50 Ω	[1]
Maximum input voltage	±600 V	[1]

POWER & BATTERY

Power supply	None; passive	[1]

GENERAL

Selectable added delay	0–63 ns	[1]
Fixed minimum delay	2.0 ns	[1]
Total delay	2–65 ns	[1]
Delay increment	1 ns	[1]
Selectable sections	1, 2, 4, 8, 16, 32 ns	[1]

Sources

[1] **425A Nanosecond Delay**
ORTEC (AMETEK) · datasheet · p. 1, description; p. 1, Specifications – Performance; p. 1, features · checked 2026-10-16
https://web.archive.org/web/20251016025534/https://www.ortec-online.com/-/media/ametekortec/brochures/4/425a...

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.