ORTEC

ORTEC DB463

Delay box

Four passive cable-delay sections for aligning coincidence and time-to-amplitude conversion channels; sections can be cascaded for longer delays.



Independent sections	Relative delay per section	Delay increment
4 [1]	**0–63.5 ns** [1]	**.5 ns** [2]

Specifications

Independent sections	4	[1]
Relative delay per section	0–63.5 ns	[1]
Delay increment	0.5 ns	[2]
Selectable sections	0.5, 1, 2, 4, 8, 16, 32 ns	[1]
Input/output impedance	50 Ω	[2]
Delay accuracy	<±0.1 ns or ±1.0% per switch, whichever is greater	[1]
Reflection	<3% at any setting with a 1 ns rise-time step	[1]
Dimensions (W × H × D)	48.2 × 8.9 × 20.3 cm	[1]

Sources

[1] **DB463 Delay Box**
RTEC (AMETEK) · product-page · product page · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/dela…

[2] **DB463 – Delay Box**
ORTEC (AMETEK) · datasheet · p. 1 · 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.