

- Aligns fast-timing channels that incorporate coincidence circuits or TACs
- Four independent sections
- 50-Ω calibrated cable delay for linear or logic signals
- 0 to 63.5-ns delay in 0.5-ns steps

The ORTEC Model DB463 furnishes a 50-Ω calibrated cable delay, providing relative delays from 0 to 63.5 ns with 0.5-ns increments in each of four identical sections. Longer delays may be achieved by cascading several Model DB463 Delay Box sections.

The Model DB463 is convenient for aligning fast-timing channels that incorporate coincidence circuits or time-to-amplitude converters.

Specifications

INPUTS (4) 50 Ω; either polarity; 1500 V maximum. BNC connectors.

OUTPUTS (4) 50 Ω; delay between In and Out is sum of delays. BNC connectors.

DELAY TIMES 0.5, 1, 2, 4, 8, 16, and 32 ns.

DELAY ACCURACY $< \pm 0.1$ ns or $\pm 1.0\%$ for each switch, whichever is greater.

REFLECTIONS $< 3\%$ at any delay setting for 1-ns rise time step.

CABLE RG-58A/U.

WEIGHT

Shipping 4.0 kg (9 lb).

DIMENSIONS 48.2 cm (19 in.) wide for relay rack mounting, 8.9 cm (3.5 in.) high, and 20.3 cm (8 in.) deep.

Ordering Information

To order, specify:

Model	Description
DB463	Delay Box

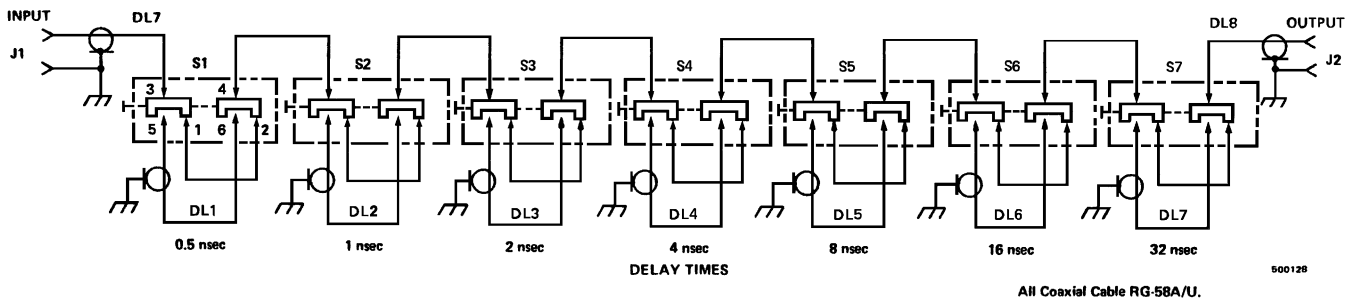


Fig. 1. Typical Schematic for One Section of Model DB463 (Four Sections Included).

Specifications subject to change
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