

- 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

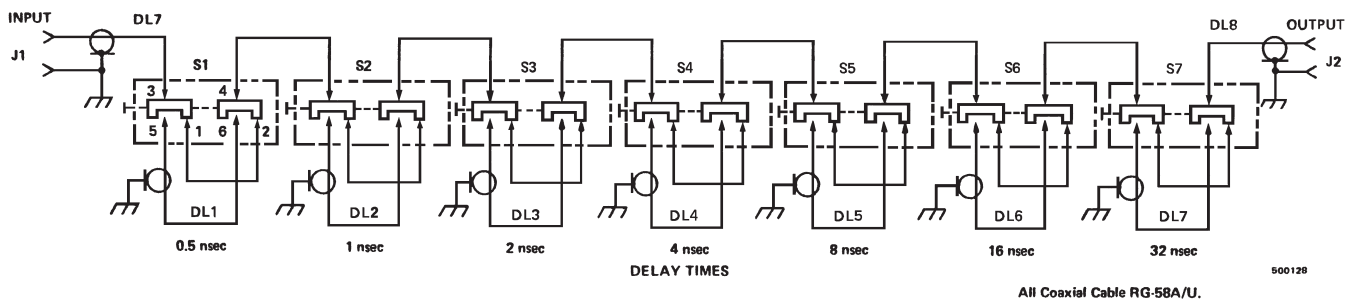


Fig. 1. Typical Schematic for One Section of Model DB463 (Four Sections Included).

All Coaxial Cable RG-58A/U.

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