

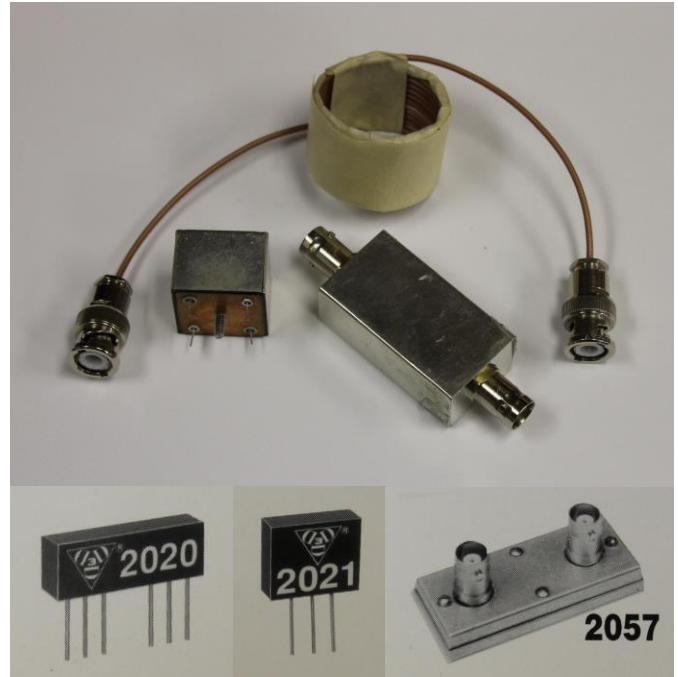
## CUSTOM COAXIAL & MICROSTRIP DELAY LINES (HIGH-FREQUENCY)



### FUNCTIONAL DESCRIPTION

Data Delay Devices offers a wide range of high-bandwidth delay lines based on coaxial & microstrip technology. Whereas LC-networks trade off bandwidth for device size, coaxial/microstrip lines find use in applications where maximum bandwidth is paramount.

Technologies employed include semi-rigid cable, flexible cable, multi-layer microstrip and stripline. Delays can be fixed or adjustable (via switches).



Contact us for a custom design to suit your application's needs.

### TYPICAL SPECIFICATIONS

- **Delay Tolerance:** 2%
- **Impedance:** 50 $\Omega$  or 75 $\Omega$
- **Bandwidth:** >700MHz
- **Ripple in pass-band:** Approx. 0.2dB
- **Dielectric breakdown:** 100 VDC
- **Operating temp:** -65 $^{\circ}$ C to +125 $^{\circ}$ C
- **Temperature coeff:** <100 PPM/ $^{\circ}$ C

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