

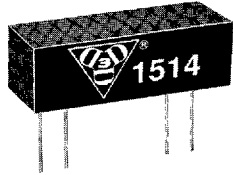
# Fixed-SIP Delay Lines

## 1514 SERIES (HIGH FREQUENCY)



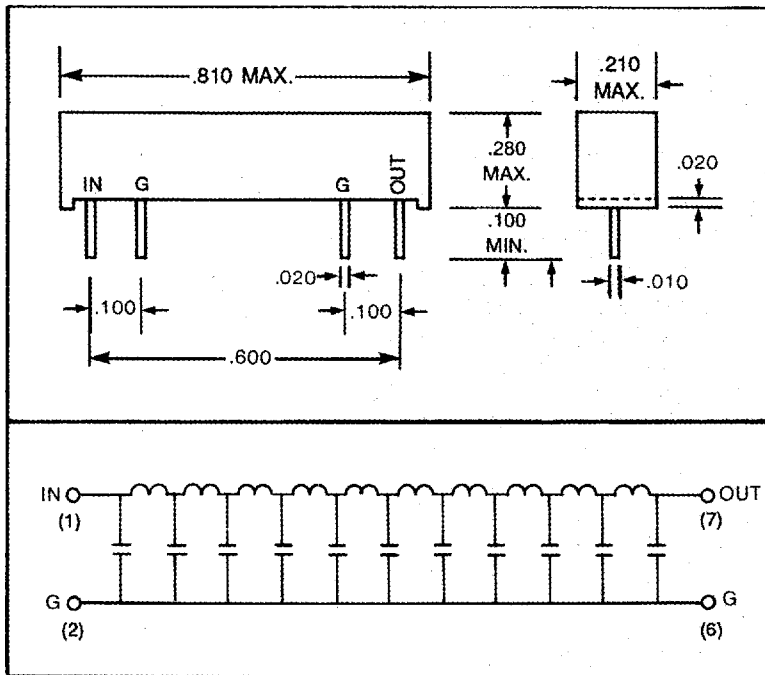
### Features:

- Fast rise-time.
- 4-pins single-in-line.
- Clean signal.
- Low profile.
- Thin package.



### Specifications:

- Meets or exceeds: MIL-D-23859C.
- Operating temperature:  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .
- Storage temperature:  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .
- Temperature coefficient: 100 PPM/ $^{\circ}\text{C}$ .
- Dielectric breakdown: 50 Vdc.
- Epoxy encapsulated.
- Distortion @ output: 10% max.
- Rise-time: 1 ns or 20% of  $T_D$  (whichever is greater)
- Delay tolerance: 5% or 1 ns (whichever is greater)



| Part No.   | Delay (ns) | Impedance $\Omega$ |
|------------|------------|--------------------|
| 1514-2.5A  | 2.5        | 50                 |
| 1514-5A    | 5          | 50                 |
| 1514-10A   | 10         | 50                 |
| 1514-15A   | 15         | 50                 |
| 1514-20A   | 20         | 50                 |
| 1514-25A   | 25         | 50                 |
| 1514-30A   | 30         | 50                 |
| 1514-40A   | 40         | 50                 |
| 1514-50A   | 50         | 50                 |
| 1514-60A   | 60         | 50                 |
| 1514-70A   | 70         | 50                 |
| 1514-80A   | 80         | 50                 |
| 1514-90A   | 90         | 50                 |
| 1514-100A  | 100        | 50                 |
| 1514-3.5Y  | 3.5        | 75                 |
| 1514-7.5Y  | 7.5        | 75                 |
| 1514-15Y   | 15         | 75                 |
| 1514-22.5Y | 22.5       | 75                 |
| 1514-30Y   | 30         | 75                 |
| 1514-37.5Y | 37.5       | 75                 |
| 1514-45Y   | 45         | 75                 |
| 1514-60Y   | 60         | 75                 |
| 1514-75Y   | 75         | 75                 |
| 1514-90Y   | 90         | 75                 |
| 1514-105Y  | 105        | 75                 |
| 1514-120Y  | 120        | 75                 |
| 1514-135Y  | 135        | 75                 |
| 1514-150Y  | 150        | 75                 |
| 1514-5B    | 5          | 100                |
| 1514-10B   | 10         | 100                |
| 1514-20B   | 20         | 100                |
| 1514-30B   | 30         | 100                |
| 1514-40B   | 40         | 100                |
| 1514-50B   | 50         | 100                |
| 1514-60B   | 60         | 100                |
| 1514-80B   | 80         | 100                |
| 1514-100B  | 100        | 100                |
| 1514-120B  | 120        | 100                |
| 1514-140B  | 140        | 100                |
| 1514-150B  | 150        | 100                |
| 1514-50D   | 50         | 250                |
| 1514-70D   | 70         | 250                |
| 1514-120D  | 120        | 250                |
| 1514-130D  | 130        | 250                |
| 1514-150D  | 150        | 250                |
| 1514-170D  | 170        | 250                |
| 1514-270D  | 270        | 250                |
| 1514-70E   | 70         | 300                |
| 1514-140E  | 140        | 300                |
| 1514-45G   | 45         | 500                |
| 1514-50G   | 50         | 500                |
| 1514-80G   | 80         | 500                |
| 1514-100G  | 100        | 500                |
| 1514-190G  | 190        | 500                |