

# QPL Active Delay Lines (TTL)

*First QPL'd  
delay lines.*

- Active 5 tap, 14-pin DIP delay lines qualified to MIL-D-83532.
- Established reliability assured through a fully approved program in accordance with MIL-STD-790.\*
- Standard total delay values ranging from 25 to 500 ns and tap delay values from 5 to 100 ns.
- Other military part numbers with non-standard delay values available upon request.
- QPL JAN I.C.'s (in accordance with MIL-M-38510) incorporated in all active delay lines.
- All units transfer molded for maximum reliability.
- Pulse Specialty Components - the *first* delay line supplier to be QPL'd.

\*Reliability Assurance Program for Electronic Parts Specifications

## ACTIVE MIL-D-83532 QPL DELAY LINES (TTL LOGIC)

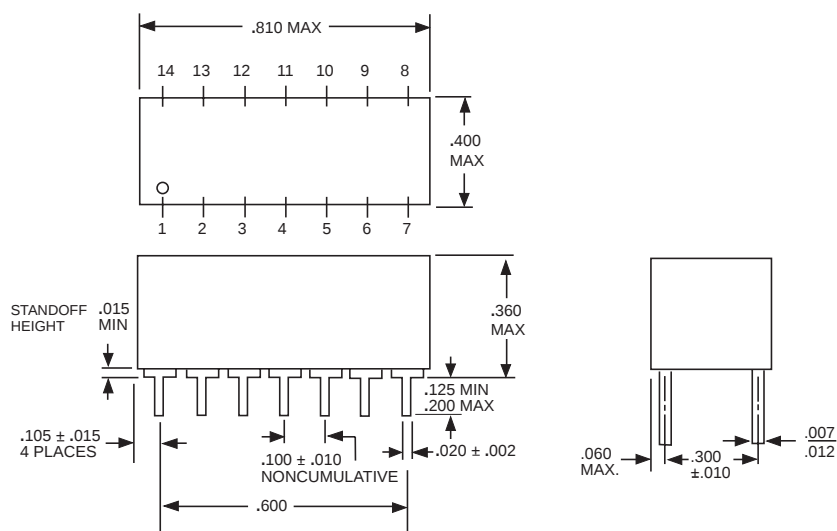
| MILITARY<br>PART NO. | TECHNITROL<br>PART NO. | TAP DELAYS (ns) |          |          |          |          | $T_{R+}^*$ |
|----------------------|------------------------|-----------------|----------|----------|----------|----------|------------|
|                      |                        | $T_{D1}$        | $T_{D2}$ | $T_{D3}$ | $T_{D4}$ | $T_{D5}$ |            |
| M83532/02A001A       | TTLDL0257JY            | 5.0             | 10.0     | 15.0     | 20.0     | 25.0     | 4.0        |
| M83532/02A006A       | TTLDL0507JY            | 10.0            | 20.0     | 30.0     | 40.0     | 50.0     | 4.0        |
| M83532/02A011A       | TTLDL0757JY            | 15.0            | 30.0     | 45.0     | 60.0     | 75.0     | 4.0        |
| M83532/02A014A       | TTLDL1007JY            | 20.0            | 40.0     | 60.0     | 80.0     | 100.0    | 4.0        |
| M83532/02A015A       | TTLDL1257JY            | 25.0            | 50.0     | 75.0     | 100.0    | 125.0    | 4.0        |
| M83532/02A016A       | TTLDL1507JY            | 30.0            | 60.0     | 90.0     | 120.0    | 150.0    | 4.0        |
| M83532/02A018A       | TTLDL2007JY            | 40.0            | 80.0     | 120.0    | 160.0    | 200.0    | 4.0        |
| M83532/02A020A       | TTLDL2507JY            | 50.0            | 100.0    | 150.0    | 200.0    | 250.0    | 4.0        |
| M83532/02A026A       | TTLDL5007JY            | 100.0           | 200.0    | 300.0    | 400.0    | 500.0    | 5.0        |

NOTE: Additional slash numbers from 02A001A through 02A029A available upon request.

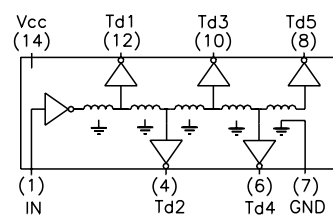
\*Measured @  $V_{CC} = 5.0V$ ,  $25^{\circ}C$ , with 50pf load to ground and 500 ohms to  $V_{CC}$



## MECHANICAL OUTLINE



## SCHEMATIC



### Notes

- Only the pins specified in the schematics are provided with each package.
- Pin numbers shown are for reference only and are not necessarily marked on unit.
- Lead material is electro tin plated (alloy 42) or solder dipped.
- All specifications are subject to change without notice.