

# 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)

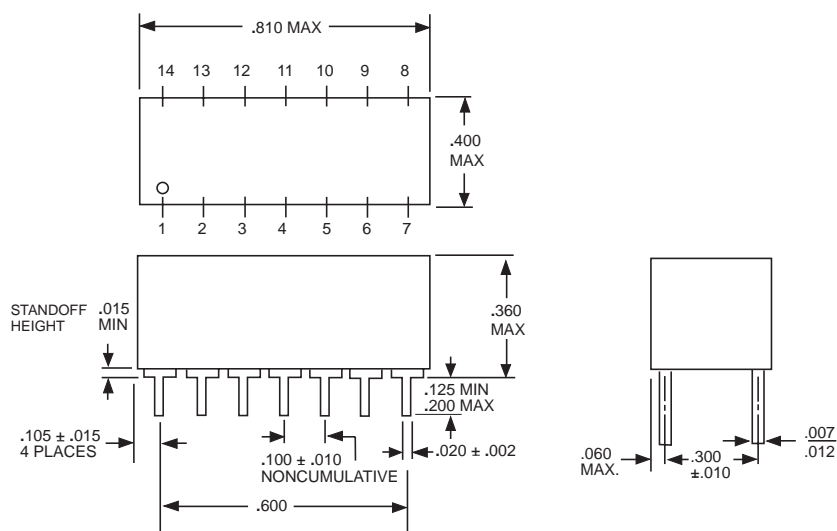
MILITARY PART NO.	TECHNITROL PART NO.	TAP DELAYS (ns)					$T_{R+}^*$
		$T_{D1}$	$T_{D2}$	$T_{D3}$	$T_{D4}$	$T_{D5}$	
M83532/02A001A	TTLDL0257JY	5.0	10.0	15.0	20.0	25.0	4.0
M83532/02A006A	TTLDL0507JY	10.0	20.0	30.0	40.0	50.0	4.0
M83532/02A011A	TTLDL0757JY	15.0	30.0	45.0	60.0	75.0	4.0
M83532/02A014A	TTLDL1007JY	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.

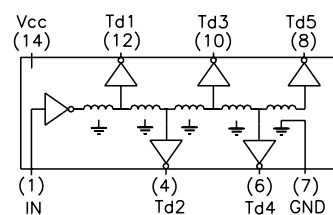
\*Measured @  $V_{CC} = 5.0V$ ,  $25^{\circ}C$ , with 50pf load to ground and 500 ohms to  $V_{CC}$



## 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.