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.**

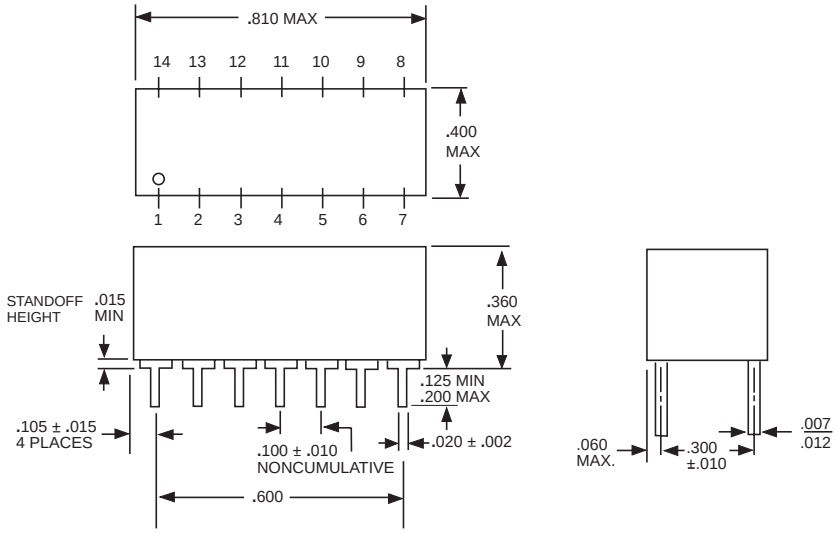
***Reliability Assurance Program for Electronic Parts Specifications**

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

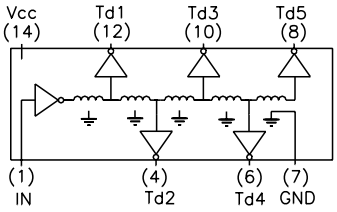
MILITARY PART NO.	TECHNITROL PART NO.	TAP DELAYS (ns)					T_R+*
		T_D1	T_D2	T_D3	T_D4	T_D5	
M83532/02A001A	TTLDL0257JY	5.0	10.0	15.0	20.0	25.0	4.0
M83532/02A006A	TTLDL0507JY	10.0	20.0	30.0	40.0	50.0	4.0
M83532/02A011A	TTLDL0757JY	15.0	30.0	45.0	60.0	75.0	4.0
M83532/02A014A	TTLDL1007JY	20.0	40.0	60.0	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°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.