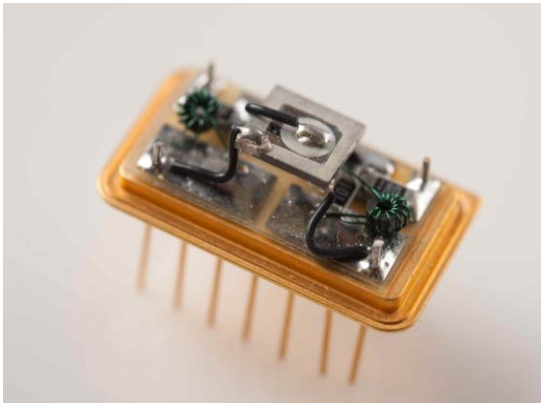
BAW (Bulk Acoustic Wave) Delay Lines



Key Features

- **Frequency Range:** 10 MHz to 120 MHz
- **Delay:** 0.5 µSec – 3,000 µSec
- **Insertion Loss:** 6 dB to 65 dB
- **Stability:** 0.5ppm 0 to +60 C
- **Bandwidth:** 10 % to > 50 %
- **Package Size:** Dependent on frequency and amount of delay

API Technologies' complete line of low frequency BAW Delay Lines offer a wide range of semi-standard or custom delay solutions designed to meet unique specifications.

Many interface options are offered including SMA (Female and Male), N-Type (Female), TNC (Female), Leaded and SMD. Packaging options include low cost, plastic encapsulated or hermetically welded and package size is dual in-line to 24" round. BAW delay lines are available in both connectorized or pin and surface mount.

These delay lines are ideal for applications where high performance and reliability is required. Excellent for usage in transponders and EW target generation application.

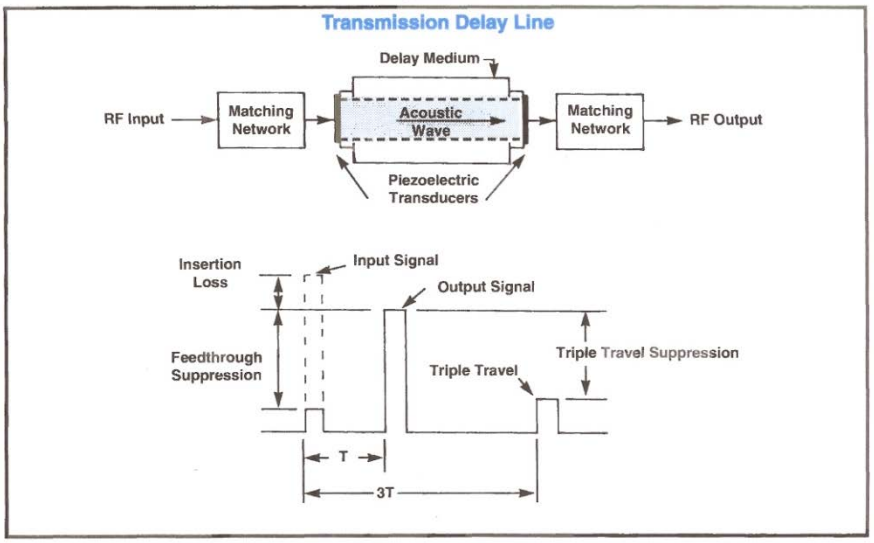
Technical Specifications

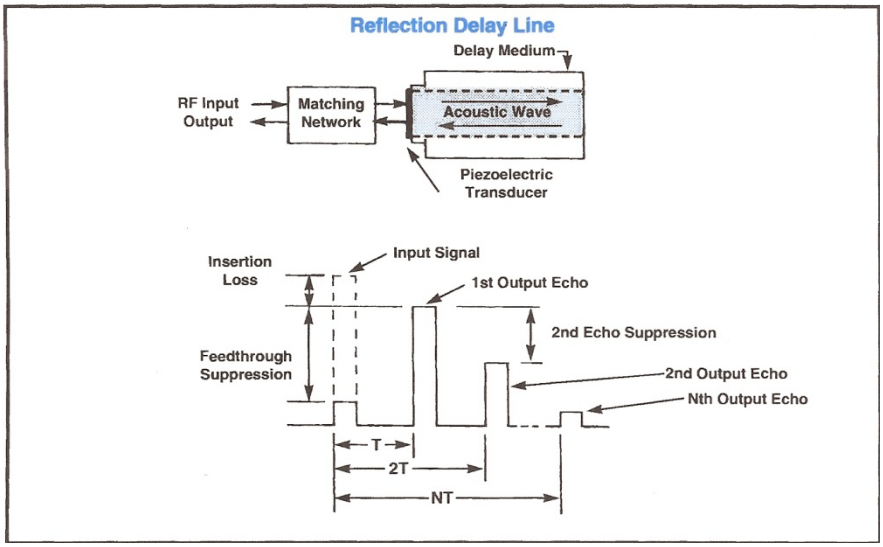
Parameter	Unit	Typical	Min/Max
Frequency Range	MHz		10 -120
Delay	µSec		0.5 – 3000
Insertion Loss	dB	15	6 – 65
Temp Stability	PPM/degC		0.5
Bandwidth	%	40	75
Spurious	dB	-50	-60
Triple Travel	dB	-50	-60
Feed Through	-dB	-50	-60

Maximum Ratings

Maximum (No Damage) Ratings	
Storage Temperature(C)	-40 - +95
Operating Temperature(C)	-20 - +80
Input Drive @ 25°C (CW) dBm	20

* Typical values are measured at 25°C, but not guaranteed.





Outline Drawing