



Integrated
Circuit
Systems, Inc.

SAW DELAY LINES

GENERAL DESCRIPTION

The family of SAW (surface acoustic wave) Delay Lines addresses the needs of fiber-optic networks and wireless communication systems. Some models are used for SONET/SDH oscillator and CDR (clock and data recovery) applications. Other models provide optimal signal processing for CDMA applications. All of the SONET delay lines are fabricated on quartz substrate material for optimum phase and frequency stability over temperature. These delay lines have low insertion loss and good stopband rejection.

APPLICATIONS

- SONET/SDH oscillator and CDR
- CDMA signal processing
- Repeaters
- Power amplifiers
- Smart antenna

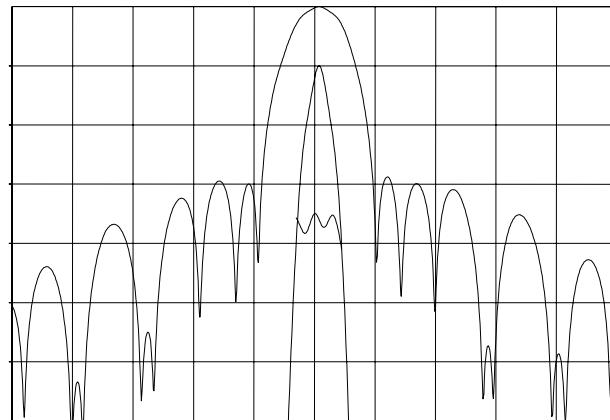
SAW DELAY LINES

FEATURES

- Constant delay over pass band
- Frequency and phase stable over temperature
- Custom designs available
- Surface mount packaging available

TYPICAL FREQUENCY RESPONSE

SF0777DL02251S



Horizontal: 2.0 MHz/div; Center Frequency: 777.6 MHz
Vertical: 10dB/div

Part Number	Center Frequency (MHz)	3dB Bandwidth (MHz)	Insertion Loss (dB)	Nominal Delay (μsec)	Package (mm)	Primary Application
SF0881DL02211S	881.5	25	21.5	2	SMP, 13.3x6.5 12pads	Wireless
SF0850DL01825T	850	200	27	2.5	DIP-W, 23X13	Wireless
SF0850DL01826T	850	200	33	5	DIP-CU, 35x13	Wireless
SF1880DL02268S	1880	60	32	1.8	SMP, 13.3x6.5 12pads	Wireless
SF1930DL22268S	1930	60	33	1.8	SMP, 13.3x6.5 12pads	Wireless
SF0622DL02246S	622.2	1.8	9	0.44	LCC, 5mm x 7mm	SONET
SF0655DL02223T	655.38	1	8	0.8	(BE),10.2mm x 6.7mm	SONET
SF0777DL02251S	777.6	1.4	8.5	0.65	SMP, 5mm x 7mm	SONET
SF1227DL11953T	1227.6	10	20	0.88	(BE),10.2mm x 6.7mm	SONET
SF1332DL11945T	1332.5	2	20	0.38	(BE),10.2mm x 6.7mm	SONET