

Programmable Optical Delay Line (2 - 18 GHz)



Programmable Optical Delay Line for RF and Microwave applications uses low loss optical fiber with specific delay, based on the length of the optical fiber selected. The time delay is achieved by selectively routing the optical signal through a set of fiber segments with required length. The 19" rack mountable module provides digitally variable time delay from 20ns to 1500ns with a step size of 5 ns.

Technical specifications	
Parameter	Specification
Frequency range	2 - 18 GHz
Delay Time with step size of 5ns	20ns - 1500ns
Delay accuracy at all delay status	≤ 1 ns
Switching time	200 ps
Noise Figure	30 dB
Max Input RF power	0 dBm
VSWR	2-1
Impedance	50 Ohm
Communication	TTL
RF Connector	SMA (F)
Optical connector	SC / APC (Internal)
Main AC Supply	240 V AC, 50 Hz
Size	19" Rack Mounting

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