



PROGRAMMABLE RF DELAY LINE

FEATURES

- ◆ Frequency can reach 40 GHz
- ◆ Total solution
- ◆ Support multiple switch delay
- ◆ Liquid-crystal display (LCD)
- ◆ Support remote control
- ◆ Support keyboard control



APPLICATIONS

- ◆ Radar target analog
- ◆ High speed signal processing
- ◆ Variable radar range extension
- ◆ Communication performance test

KEY TECHNICAL PARAMETERS

Maximum tardiness: 256us (Can be customized according to requirements)

Delay step: 2us (Can be customized according to requirements)

Frequency range: 100MHz~2GHz、4GHz、6GHz、12 GHz、18GHz、32GHz、40GHz(can be customized)

Accuracy of time delay: 1%

System-gain: -20dB

Amplitude frequency fluctuations: better than ± 2 dB(frequency 2~4GHz)

Noise figure: better than 20dB (4GHZ)

Input 1 dB compression: ≥ -15 dB

Switching time: 3ms

SWR: $\geq 2:1$

Input and output impedance: 50 Ω

RF Connector: SMA

Control Interface: GPIB or RS232

Power Supply: AC 220V

BLOCK DIAGRAM

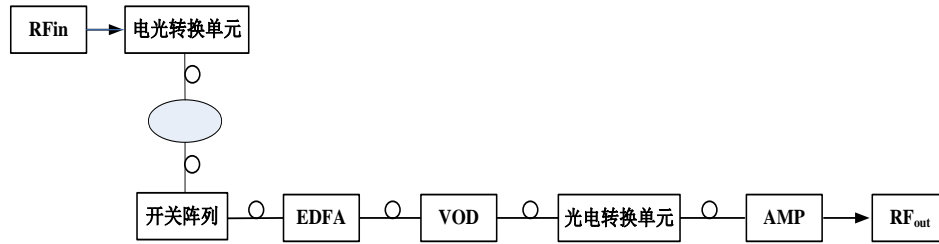


Figure 1-- Block diagram

SIZE AND STRUCTURE

4U chassis or customized according to the user requirement

OPTIONAL FUNCTION

Have the remote control or the keyboard entry is optional;
 Can increase the different target distance signal power attenuation ability.

ENVIRONMENTAL CONDITIONS

Quality level	Commercial(O)	Industrial(I)	Custom(C)
Environmental			
Operating temperature	10°C~+30°C	-10°C~+50°C	-40°C~+70°C
Storage temperature	0°C~+50°C	-40°C~+70°C	-55°C~+85°C
Relative humidity	\	95%	95%
Vibration	\	\	Root mean square 8g20-2000CPS
NOTE	If you have special requirements please contact manufacturer		



ORDERING INFORMATION

