

12 x 12 Programmable Attenuator-Delay Matrix for Radar Simulation



18A4NAC

Renaissance has designed a 12 x 12 Programmable Delay Line (PDL) Matrix that can be used to simulate targets for Phased Array Radar and Receiver optimization. Each of the 12 inputs is connected to dividers, programmable attenuators and a programmable delay line matrix. The amplitude and phase are controlled by custom software with custom defines UDP protocols.

SPECIFICATIONS

Frequency	DC - 3 GHz
Attenuation	90/1 dB
Return Loss	15 dB
Control	Ethernet
Power CW	20 dBm
Delay	10 bit, 5 pS step
Switching time	100 ns
Temperature	-40 to +85 °C
Size	19.0" x 30" x 8RU
Connector	SMA-Female