

DAC/ADC SWITCH MATRIX

MODEL NUMBER:
18A1NA

Custom Applications

“RF Digital Signal
Processing”

Renaissance Electronics Corporation has released a new DC to 500 MHz Switch Matrix with two inputs and six outputs.

The 18A1NA will support the high level of integration required during qualification testing for digital and analog assemblies operating at microwave frequencies.

In addition, the separate analog and digital USB control ports combined with software allows for the development of a complete Automatic Test Program (ATP) to verify and measure all possible paths.



Characteristics

DAC Section 2x SP6T TTL Combined:

Frequency of Fundamental:	DC - 500 MHz
Upper Harmonic:	Up to 2.5 GHz
Insertion Loss:	< 0.1 dB
VSWR:	1.20 : 1
Isolation:	75 dB

ADC Section 2x SP6T & 12x SPDT TTL Combined: Two Groups of “P” and “N” Channels:

Frequency of Fundamental:	DC - 500 MHz
Upper Harmonic:	Up to 2.5 GHz
Insertion Loss:	< 0.4 dB
VSWR:	1.25 : 1
Isolation:	70 dB
Third Order Harmonics:	< -70 dBc
Crosstalk:	< -65 dBc
“P” to “N” Matching:	< 0.1 dB

Features

- High Isolation
- Mechanically Configured for Both 19” Rack and Bench Applications
- Low Insertion Loss
- USB Control Ports

Benefits

- Low Crosstalk
- Portable and Flexible Usage
- Better Signal Integrity
- Simplified Standardized Programming


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