

RF HEAD-END SWITCH MATRIX

MODEL 18A7NA

compact

“Components that will synthesize the RF signal to your configuration”

Renaissance Electronics Corporation once again exceeds the capabilities of industry standards with their newest custom switch matrix. This DC-6 GHz multifunctional WiMax matrix is not only compact but is designed where the instrument ports are connected to the DUT ports by components that will synthesize the RF signal to your configuration.

Having a total of two DUT ports, six instrument ports, and six auxiliary ports, this RF head-end switch matrix contains combiners, switches, splitters, programmable attenuators, and other components for RF modulation. Fitting on a standard 19-inch rack, this switch matrix occupies 2 U of space. Having six auxiliary ports which aid in calibrating the six corresponding instrument ports, this unit is fully controlled by a remote computer, using GPIB/IEEE-488.2 interface.



Characteristics

Frequency Range	2.0 -6.0 GHz
Insertion Loss	10 dB
VSWR (Input/Output)	1.32:1 (Typ), 1.42:1 (Max)
Isolation (Between Output Ports)	90 dB (Min)
Input Power at DUT (Max)	1 Watt
Switching Speed	20µs
Driver Logic	TTL
PC Interface	GPIB/IEEE-488.2
Temperature Range	0°C to +50°C

Markets

ATE applications for:	SatCom
	Telecommunications
	Defense

Features

Benefits

<ul style="list-style-type: none"> · 19" Rack Mountable, 2U High 	<ul style="list-style-type: none"> · Standard Rack Configuration for Easy Installation
<ul style="list-style-type: none"> · 2 DUT Ports, 6 Instrument Port 	<ul style="list-style-type: none"> · Capability to Test 2 Devices Using 6 Instruments such as LNA, VNA, SA, Noise Figure Meters, and VMAs
<ul style="list-style-type: none"> · Use of Electromagnetical Switches, Programmable Attenuators, and Combiners 	<ul style="list-style-type: none"> · High Port to Port Isolation, Low Insertion Loss, and Good VSWR
<ul style="list-style-type: none"> · Custom Lab VIEW Driver 	<ul style="list-style-type: none"> · Initialization and Error Check Embedded in Power Failure Against Failure



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