

10 – 1200 MHz Solid State Switch Matrix

Renaissance has developed an 8 x 12 solid-state Switch Matrix. This matrix is controlled by a keypad and/or Ethernet, and has its own TCP/IP. In addition to custom programming, we also incorporated new design disciplines that reduced the cabling with printed circuit solutions.



Frequency range:	10 – 1200 MHz
Configuration:	8 Inputs, 12 Outputs (8 x 12)
Monitoring:	One Monitoring Output for Each of the 12 Outputs
System Type:	Non-Blocking, Full Fan Out
Switching Element Technology:	Solid-State GaAs
Impedance:	50 ohms
Max Input Power:	0 dBm
Nominal Input Level Range:	-50 to 10 dBm
I/P & O/P VSWR:	< 1.3:1
Gain:	Unity
Frequency Response:	± 0.5 dB
Noise Figure:	< 12 dB
Isolation (Input to Input):	> 60 dB
Isolation (Output to Output):	> 60 dB
Isolation (Input to Output):	> 60 dB
Switching Speed:	10 ms
I/P & O/P Signal Connectors:	BNC (F)
AC Power:	230 V ± 10% AC, 50 ± 3 Hz AC
Local Control Interface:	Front Panel Keypad with LCD Screen
Remote Control Interface:	Ethernet/RS-232/RS-422/IEEE-48
Mechanical:	< 3U
Operating Temperature:	-10 to 50° C