

Model Number: 21174-XXXX

2 x 4 Passive Switch Matrix / Router with local & remote control

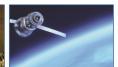
Typical applications:

- Uplink as well as down link signals.
- Design verification and manufacturing test



















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Technical specifications and operating parameters

RF Parameters					
Capacity		2 common port inputs x 4 multiport outputs			
Frequency Range		950-2450 MHz (Extended L-band)			
Insertion Loss		4.0 ± 1 dB	Typical, mean across band		
Gain Flatness	Full band	± 0.5 dB			
	Any 40MHz	± 0.1 dB			
Connectors & Impedance		50Ω SMA		50Ω N-type	
Input	Typical	22 dB		18 dB	
return loss	Minimum	18 dB		12 dB	
Output return loss	Typical	20 dB		18 dB	
	Minimum	16 dB		12 dB	
Isolation (switch-to-switch)		80 dB		Maximum between multiports	
Isolation (splitter ports)		23 dB		Maximum between common ports up to 2250MHz. May degrade to 18 dB beyond this point	

Environmental		
Operating temperature	0 to 50°C	
Location	Indoor use only	
Storage temperature	-50°C to +70°C	
Humidity	20 to 95% non-condensing	

Power		
AC Power	85-264Vac 50-60Hz	Fused 2A
AC Consumption	15W	Maximum consumption at steady state
Input RF power	30 dBm	Absolute maximum
PSU	Dual redundant	Diode OR
Hot-swap PSU	No	

System Control		
Local control	Front panel push buttons and display	
Remote control & Monitoring	Serial (RS232 or RS422/485) and Ethernet (RJ45) on rear panel.	
Alarms	Dry contact (D-Type) & Ethernet (RJ45) for PSU status.	

Physical		
Dimensions	2U high x 350mm deep x 19" wide	
Weight	8 kg	
Colour	White 00-E-55 semi-gloss	

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.









