







Model Number: VLT-50-xxxx

RF Parameters						
Capacity		16 inputs x 32 outputs				
Routing		Distributive, non-blocking		Any input can be connected to any number of outputs		
Frequency Range		50-2450 MHz (IF / L-band)				
RF Connectors		50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type	
Gain		0±2.5 dB	0±2.75 dB	0±3.0 dB	0±3.25 dB	
Gain Flatness	50-2150MHz	±2 dB	±2 dB	±2 dB	±2 dB	
	Full Band	±2.5 dB	±2.5 dB	±3 dB	±3 dB	
	Any 36MHz	±0.5 dB	±0.6 dB	±0.65 dB	±0.8 dB	
Input Return Loss	Typical	15 dB	15 dB	12 dB	12 dB	
	Minimum	12 dB	12 dB	10 dB	10 dB	
Output Return Loss	Typical	15 dB	15 dB	12 dB	12 dB	
	Minimum	12 dB	12 dB	8 dB	8 dB	
1dB Gain Compression (Input)		0 dBm Typical input power				
OIP3		\ge + 10 dBm Typical 3rd order intercept point, output power				
Isolation	I/P - O/P	≥60 dB typical				
	I/P - I/P	≥60 dB				
	0/P - 0/P	≥70 dB				
Noise Figure		20 dB typical 22 dB maximum				
Switching Time		<100 ms From when command is received by interface until the connection is made.				

Technical specifications and operating parameters

	Environmental					
Operating temperature	0 to 55°C	0 to 55°C				
Location	Indoor use only	Indoor use only				
Storage temperature	-20°C to +75°C	-20°C to +75°C				
Humidity	20 to 90% non-co	20 to 90% non-condensing				
Altitude	10,000 ft AMSL	Above mean sea level				
Power						
AC Power	85-264Vac 50/60Hz	Fused 2A				
AC Consumption	75W	Total AC input (Max)				
LNB Power	None	None				
PSU	Dual redundant	Diode OR				
Hot-swap PSU	Yes	Yes				
System Control						
Local Control	Via Front Panel	Via Front Panel LCD display and push buttons				
Remote Control	port 10/100 Bas	Via RS232/485 serial port and RJ45 Ethernet port 10/100 Base T. TCP/IP, SNMP and web browser interface.				
	Physical					
Dimensions	imensions 3U high x 300mm deep x 19" wide					
Weight	12 kg	12 kg				
Colour	White 00-E-55 s	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.



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