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## 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		≥ + 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			
Location	Indoor use only			
Storage temperature	-20°C to +75°C			
Humidity	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	7514/			
AC Consumption	75W	Total AC input (Max)		
LNB Power	None	Total AC input (Max)		
•		Total AC input (Max) Diode OR		

System Control		
Local Control	Via Front Panel LCD display and push buttons	
Remote Control	Via RS232/485 serial port and RJ45 Etheme port 10/100 Base T. TCP/IP, SNMP and well browser interface.	

Physical		
Dimensions	3U high x 300mm deep x 19" wide	
Weight	12 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.

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