







## Model Number: VLT-10-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 Flatness	50-2150MHz	±2.0 dB	±2.0 dB	±2.0 dB	±2.0 dB	
	Full Band	±2.5 dB	±2.5 dB	±3.0 dB	±3.0 dB	
	Any 36MHz	±0.5 dB	±0.6 dB	±0.65 dB	±0.8dB	
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	
Gain		0±2.5 dB	0±2.75 dB	0±3.0 dB	0±3.25 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, 22dB maximum				
Switching Time		≤100 ms From when command is received by interface until the connection is made.				

## Technical specifications and operating parameters

Environmental						
0 to 55°C						
Indoor use only						
-20°C to +75°C						
20 to 90% non-condensing						
10,000 ft AMSL	Above mean sea level					
Power						
85-264Vac 50/60Hz	Fused 2A					
300W	Total AC input (Max)					
0/13/18V @ 500 mA, 22 KHz tone						
Dual redundant	Diode OR					
Yes						
System Control						
Via Front Panel LCD display and push buttons						
Via RS232/485 serial port and RJ45 Ethernet port 10/100 Base T. TCP/IP, SNMP and web browser interface.						
Physical						
3U high x 300mm deep x 19" wide						
12 kg						
White 00-E-55 sen	White 00-E-55 semi-gloss					
	Indoor use only   -20°C to +75°C   20 to 90% non-cond   10,000 ft AMSL   Power   85-264Vac   50/60Hz   300W   0/13/18V @ 500 m/   Dual redundant   Yes   System Control   Via Front Panel LC   Via RS232/485 se port 10/100 Base browser interface.   Physical   3U high x 300mm   12 kg					

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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