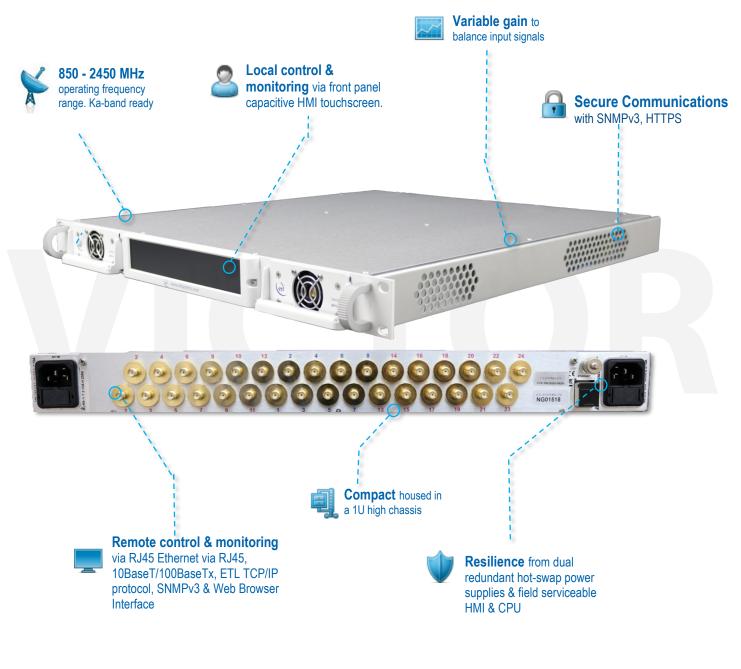


8x24 Distributive L-band Victor series Switch Matrix / Router

VTR-100 is an Extended L Band 8x24 Distributive Matrix in a compact 1U chassis



liners or luxury yachts.SNG and outside broadcast trucks.







Model Number: VTR-100-0824

Technical specifications and operating parameters

RF Parameters					
Capacity		Up to 8 inputs x 24 outputs			
Routing		Distributive, non-blocking		Any input can be connected to any number of outputs	
Frequency Range		850—2450 MHz			
Switching Time		< 50ms (From receipt of a command to implementation of path change)			
RF Conne	RF Connectors		50Ω BNC	75Ω BNC	75Ω F-type
Flatness	Full band	±1.25 dB	±1.75 dB	±2.0 dB	±2.0 dB
	850-2150 MHz	±1.00 dB	±1.25 dB	±1.5 dB	±1.5 dB
	Any 36 MHz	±0.2 dB	±0.3 dB	±0.5 dB	±0.5 dB
Input	Typical	20 dB	20 dB	14 dB	14 dB
Return Loss	Minimum	14 dB	14 dB	10 dB	8 dB
Output Return	Typical	20 dB	20 dB	14 dB	14 dB
Loss	Minimum	14 dB	14 dB	10 dB	8 dB
	Gain	0 ± 1 dB		Typical, mean across band	
Gain	Gain Control	-5 to +5 dB		Settable at each input	
	Gain steps	1.0 dB			
1dB GCP		0 dBm		Output power, at 0 dB gain setting	
	Full Band	16 dBm typ, 10 dBm min			
OIP3	850-2150 MHz	17 dBm typ, 12	2 dBm min	At 0 dB gain setting	
OIP2	Typical	26 dBm		2nd order intercept point, at 0 dB gain setting	
OIF 2	Min	23 dBm			
Isolation	I/P - O/P	60 dB		Minimum between any 2 ports	
	I/P - I/P	75 dB		Minimum between any 2 ports	
	0/P - 0/P	75 dB		Minimum between any 2 ports	
Group Delay		≤ 1 ns			
Noise Figure	Typical	15 dB at 0 dB Gain, with one input routed to one output.			
	Max	17 dB at 0 dB Gain, with one input routed to one output.			one output.
Input RF Power		+ 20 dBm Absolute maximum		mum	
				1	

Environmental			
Operating temperature	0 to 45°C		
Location	Indoor use only		
Storage temperature	-20°C to +75°C		
Humidity	20 to 90% non-condensing		
Altitude	10,000 feet AMSL (Operational) 30,000 feet AMSL (Storage)		
Gain stability vs Temperature	0.05 dB/°C		
Power			
PSU Power	85-264Vac 50-60Hz	Fused 2A	
AC Consumption	40W	Max. consumption at steady state	

AC Consumption		40W	consumption at steady state
PSU		Dual redundant	Diode OR.
MTBF	Chassis	> 250,000	
IVI I DF	Matrix Card	> 100,000	

System Control		
Local Control & Monitoring	НМІ	
Remote Control & Monitoring	Ethernet via RJ45, 10BaseT/100BaseTx ETL TCP/IP, SNMPv3,HTTPS, Built in Web Server	
Alarms	Via Ethernet (RJ45) or HMI	
PSU Redundancy	Dual Redundant & Alarmed	

Physical		
Dimensions	1U high x 650mm deep x 19" wide	
Weight	10 kg	
Colour	RAL 9003 semi-matte (white)	

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.

Note 3: Typical parameters are guide figures and measured data may deviate from the quoted figures. ETL endeavours to exceed the quoted typical parameters where practically possible.

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