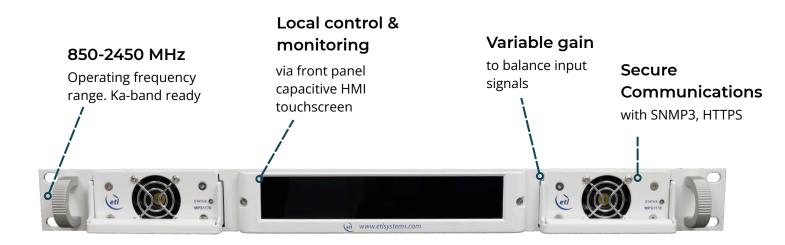
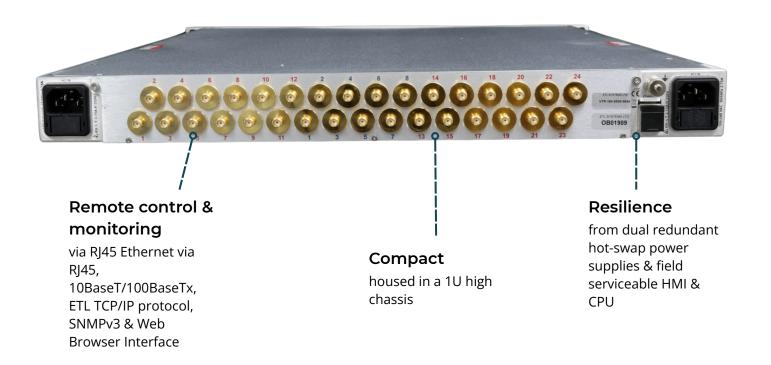


Victor Series Switch Matrix/Router

16 x 16 Combining L-band

VTRC-101 is an extended L-band 16 x 16 combining matrix in a compact 1U chassis.





V1.3 E&OE



		RF	Parameters		
Capacity			Up to 16 inp	uts x 16 outputs	
Routing		Combining, non-blocking		Many inputs can be routed to each output	
Frequency Range		850-2450 MHz			
Switching Time		< 50ms (From receipt of a command to implementation of path change)			
RF Connectors		50 Ω SMA	50 Ω BNC	75 Ω BNC	75 Ω F-type
Flatness	Full Band	±1.75 dB	±1.75 dB	±2.0 dB	±2.0 dB
	850-2150 MHz	±1.25 dB	±1.25 dB	±1.5 dB	±1.5 dB
	Any 36 MHz	±0.3 dB	±0.3 dB	±0.5 dB	±0.5 dB
Input Return Loss	Тур.	20 dB	20 dB	14 dB	14 dB
	Min.	14 dB	14 dB	10 dB	8 dB
Output Return	Тур.	20 dB	20 dB	14 dB	14 dB
Loss	Min.	14 dB	14 dB	10 dB	8 dB
Gain	Gain	0 ± 2	 2 dB	Typical, mean across band	
	Gain Control	0 to +5 dB		Settable at each input	
	Gain Steps			5 dB	
1 dB GCP	Full Band	+5 dBm		Output power, at Unity Gain	
	850-2150 MHz	+8 dBm			
OIP3	Full Band	20 dBm		Typical at Unity Gain	
	850-2150 MHz	25 dBm			
OIP2	Тур.	36 dBm		At Unity Gain	
	Min.	34 dBm			
Isolation	I/P - O/P	60 dB		Minimum between any 2 ports	
	I/P - I/P	75 dB			
	O/P - O/P	75 dB			
Group Delay	071 071	,,,		1 ns	
Typ.		20 dB (Typical with one input routed to one output), Unity Gain			
Noise Figure	Max.	22 dB (Typical with one input routed to one output), Unity Gain			<u> </u>
Input RF Power		+20 dBm		Absolute maximum	
Spurious	Carrier Related	-65 dBc		Excluding harmonics. Max. Carrier level -10dBM	
	Carrier Un-related	-85 dBm		Within operating frequencies	
			vironmental	viidiiii operadi	
Operating Temper	rature			o 45°C	
Location		Indoor use only			
Storage Temperature		-20°C to +75°C			
Humidity		20 to 90% non-condensing			
runnarcy		10,000 feet AMSL (Operational)			
Altitude		30,000 feet AMSL (Storage)			
Gain Stability vs Te	emperature			dB/°C	
			Power		
PSU Power		85-264Vac 50-60Hz		Fused 2A	
AC Consumption		20W		Max. consumption at steady state, no load	
PSU		Dual redundant		Diode OR	
MTBF	Chassis	> 250,000			
	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)			
Spec. Version	1.3			

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.