Vertex[®] Baseband Synchronizer

The Spirent Vertex® Baseband Synchronizer (VBS) enables users to interconnect up to eight Vertex channel emulators to support higher density connection setups (such as 64x4 and 64x8 bidirectional) for MIMO beamforming and other 5G applications. It provides a digital interface between Vertex and third-party communications test equipment and facilitates the distribution of high-speed digital data along with critical clocks and synchronization signals within a Vertex system.

The VBS is typically installed in a rack with Vertex channel emulators and other equipment.



Specifications		
Interface	Bandwidth per Port (maximum)	Interface Type
DBB11/O duplex	50 Gbps	Differential CML
DBB 2 I/O duplex	50 Gbps	Differential CML
DBB 3 I/O simplex input	80 Gbps	Differential CML
DBB 3 I/O simplex output	80 Gbps	Differential CML
DBB 4 I/O simplex input	80 Gbps	Differential CML
DBB 4 I/O simplex output	80 Gbps	Differential CML
Environment Characteristics		
Power Requirements		
Voltage	100–240 VAC ±10% (auto sensing)	
Overvoltage	Category II	
Pollution	Degree 2	
Frequency	50-60 Hz	
Power		
110 VAC	1.38A, 140 Watts (Max)	
220 VAC	0.69A, 140 Watts (Max)	
Fuse Type	2A, 250 VAC, 5x20mm, Time Lag	
Number of Fuses	2	
Operating Environment		
Temperature	0° to 40°C	
Humidity	10% to 90%, non-condensing	
Altitude	<2000m	
Indoor Use Only		
Dimensions and Weight		
Height (including feet)	10 cm	
Width	43 cm	
Depth (including handles)	46 cm	
Weight	7.5 kg	

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