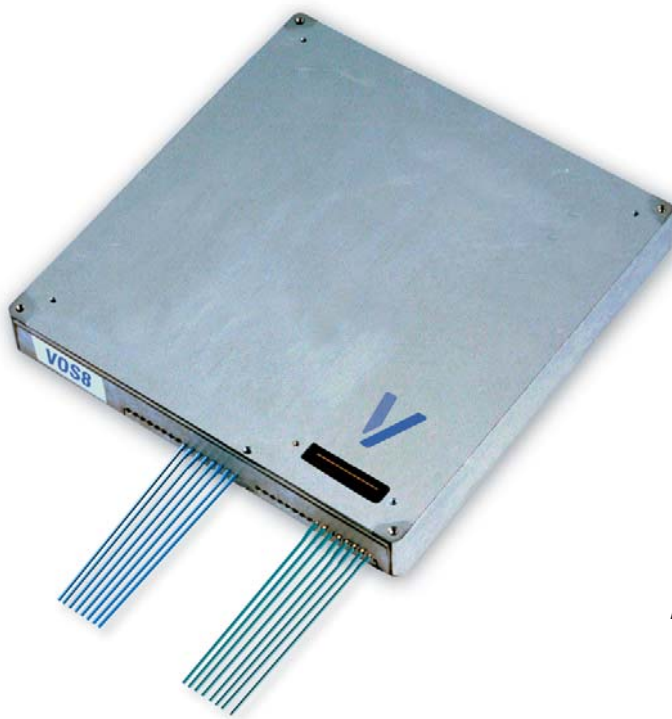


All Optical Switch Engine**FEATURES:**

- ▶ All-optical 8x8 Non-blocking Switch
- ▶ Very Low Insertion Loss (<3 dB) with Uniform Outputs
- ▶ Fast Switching Time (<10 ms)
- ▶ Real-time Active Optical Alignment to Compensate for Operating Environment Changes (Versalign™)
- ▶ Wide Input Signal Dynamic Range, (-20 dBm to 20 dBm)
- ▶ Built-in Optical Output Power Measurement
- ▶ Small Form Factor Integrated Switch 5.25" x 5.25" x 0.7"

APPLICATIONS:

- ▶ Optical Cross Connect
- ▶ Wavelength Selective Switch
- ▶ Reconfigurable Optical Add/Drop Multiplexer (ROADM)
- ▶ Construction of Protected Ring (O-BLSR and O-UPSR) and Mesh Networks

TELECORDIA STANDARDS COMPLIANCE:

- ▶ GR-63-CORE
- ▶ GR-468-CORE
- ▶ GR-1073-CORE
- ▶ GR-1209-CORE
- ▶ GR-1412-CORE

All Optical Switch Engine

GENERAL DESCRIPTION:

VOS8 is an 8x8 all-optical non-blocking switch that enables cost-effective, scalable network architectures in an efficiently packaged case. Vitesse's VOS8 is a bit-rate and format independent switch with one of the lowest insertion losses (<3 dB) in the 8x8 switch category.

VOS8 incorporates unique real-time active optical alignment circuitry (Versalign™) to compensate for operating environment changes, such as temperature, humidity and vibrations.

The VOS8 offers fast optical switching in less than 10 ms, necessary for SONET protection applications. VOS8 also has a wide input signal dynamic range from -20 dBm to +20 dBm.

As part of VOS8's management and control capabilities, both data and control/management functions are integrated into the same connector. The resulting reduction in the number of required connectors lowers costs and improves reliability.

VOS8 SPECIFICATIONS:

Parameter	Unit	Specification
Wavelength Ranges	NM	Range 1 1270-1350 Range 2 1510-1625
Insertion Loss	dB	<3
Switching Time	ms	<10
Optical Input Power	dBm	-20 min. +20 max.
Optical Return Loss	dB	-45 max.
Cross Talk	dB	-55
Polarization Dispersion Loss	dB	0.4
Repeatability	dB	0.2
Supply Voltage	Vdc	5
Peak Current	A	2.5
Operating Power (steady state)	W	5
Operating Temperature	C	0° TO 65°
Storage Temperature	C	-40° TO 85°
Humidity	RH	90% (non-condensing)
Durability	****	100 million cycle min.
Control Interface	****	H/W 8 bit parallel S/W VNET

Your Partner for Success.

For more information on Vitesse Products visit the Vitesse web site at www.vitesse.com or contact Vitesse Sales at (800) VITESSE or sales@vitesse.com