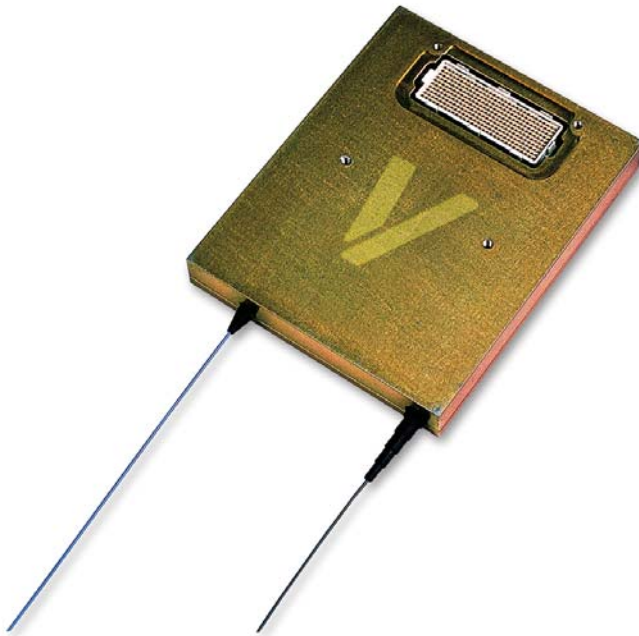


Integrated DWDM Transponder for OC-192/STM-64 with FEC or 10GbE**FEATURES:**

- ▶ Integrated DWDM Transponder for OC-192/STM-64 with FEC (9.953Gb/s to 10.709Gb/s) or 10GbE (10.3Gb/s) Applications
- ▶ Extended Long Reach up to 80km (w/o FEC) or 1600 ps/nm
- ▶ Available with 0, 3, or 6dBm Output Power
- ▶ Selectable on 100 GHz ITU Grid Spacing
- ▶ Lithium Niobate (LiNbO₃) Modulator
- ▶ Link Budget up to 26dB
- ▶ Small Form Factor (3.25" x 4" x 0.53")
- ▶ State of the Art OAM&P Features including Alarms, Performance, Monitoring, Decision Threshold and I²C
- ▶ Industry Standard Electrical Interface per OIF99.102.8/802.3ae
- ▶ 300-pin MSA Compatible
- ▶ Custom Optical Link Design Using Integrated Micro Processor EEPROM
- ▶ Built-in Clock Clean-up

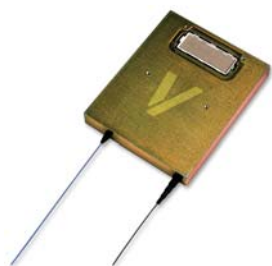
SPECIFICATIONS:

- ▶ Transponder Dimensions: 3.25" x 4" x 0.53"
- ▶ Fiber Interface: SMF-28 9/125 Micron with 900 Micron Buffer, 1m, SC/LC
- ▶ Total Power Dissipation: 12W max
- ▶ Operating Case Temperature: 70 °C Maximum Optional
- ▶ Storage Case Temperature: -40 °C min, 85 °C max
- ▶ Supply Voltages:
 - Vcc -0.5 min, 6 max
 - Vdd -0.5 min, +3.6 max
 - Vee -5.7 min, +0.5 max
- ▶ Relative Humidity - Operating (Non-Condensing): 90% max
- ▶ Static Discharge Voltage: 500 VDC maximum
- ▶ Voltage on LVDS Pin:
 - Vdd 0 minimum
- ▶ Minimum Fiber Bend Radius: 1.25 maximum
- ▶ Telcordia Standards:
 - GR-63-CORE
 - GR-253-CORE
 - GR-468-CORE
 - GR-1312-CORE
 - TA-TSY-000983
 - TR-NWT-000357
 - TR-NWT-000870
 - TR-NWT-000930

Integrated DWDM Transponder for OC-192/STM-64 with FEC or 10GbE

VIT5100 TRANSMITTER SPECIFICATIONS:

Parameter	Unit	Specification
OPTICAL		
Output Power 0 dBm	dBm	-2 min, 0 typical, 2 max
Output Power 3 dBm	dBm	1 min, 3 typ, 5 max
Output Power 6 dBm	dBm	4 min, 6 typ, 7.5 max
Signal Wavelength Range	nm	1529.55 min, 1561.42 max
Center Wavelength Drift	nm	-0.04 min, 0.04 max
Extinction Ratio	dB	10 min
ELECTRICAL		
Low Speed Interface		16x667/16x644/16x622 LVDS Per OIF99.102.8
Jitter Generation		Compliant with GR 253 Issue 3



VIT5100 RECEIVER SPECIFICATIONS:

Parameter	Unit	Specification
OPTICAL		
Receiver Sensitivity	dBm	-22 min
Signal Wavelength Range	nm	1290 min, 1625 max
Maximum Overload	dBm	-8 min
ELECTRICAL		
Low Speed Interface		16x666/16x644/16x622 LVDS Per OIF99.102.8
Jitter Tolerance Transfer		GR-253-Core I3 Compliant

VIT5000 PATH PENALTY:

Optical Path Penalty: 1dB
Dispersion Penalty @ 1600 ps/nm: 2dB

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