

1550 nm high-frequency modulated laser module

Key design features include:

- Standard modulation frequency: 2GHz; can be modulated up to 14 GHz.
- Stable output optical power and spectra.
- Single mode fiber coupled
- Built-in temperature controller and laser driver, plug and play

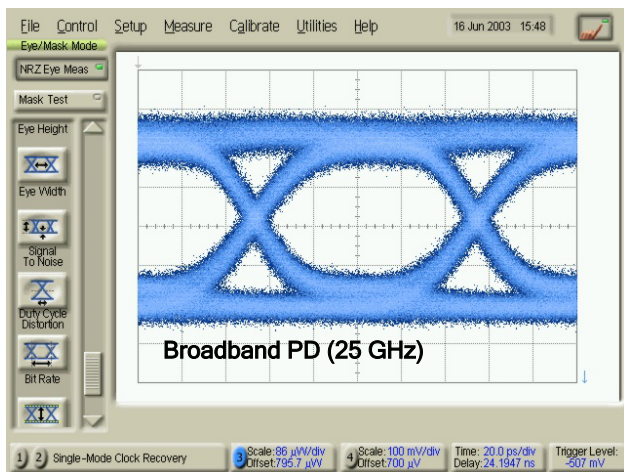
Typical application:

Industrial OEM and laboratory applications requiring RF or higher modulatable laser modules.

Specifications:

Description	Min	Typical	Max	Unit
Operating wavelength range		1541 - 1550		nm
3 dB Modulation bandwidth	-	2	14	GHz
Maximum output power (modulated signal output)		2	10	mW
Supported modulation formats		NRZ, RZ		
Laser spectra width		< 0.1		nm
Output power stability	0.1	0.2	0.5	dB
Wavelength stability	±10	±15	±20	pm
Connector type	FC/APC			
Fiber type	Smf-28/Panda 1550			um
Operating temperature	10	25	45	°C

Large signal modulation testing result at 10 Gbit/s:



Small signal modulation testing result :

