

VARIANT REFERENCES

Single Frequency Laser Diodes.

Variant Reference (in alphabetical order)	Laser Type	P/N Variant	Explanation
basic	DFB or DBR	EYP-...-0000	These are the basic variants of the DFB and DBR lasers. Single-mode operation is guaranteed for the nominal power at the specified temperature.
low cost	RWS	EYP-RWS-...	The RWS design is eagleyard's low cost approach for volume applications. Mode-hops may appear. But the user can always achieve single mode operation by selecting the operating conditions of the laser.
oxygen detection	DFB		The emission wavelength of these lasers match with the strong absorption lines of oxygen at 760 nm and 764 nm. Wavelength tuning around one of these absorption lines is possible.
seed laser for fiber laser	DFB		These lasers are intended to be used as a seed laser for pulsed fiber laser.
spectroscopy	DFB or DBR	EYP-...-0005	These lasers reach the target wavelength for the spectroscopic application by temperature tuning. Mode-hop free operation and a small linewidth is guaranteed for the specified target wavelength. Wavelength tuning around this target wavelength is possible.
tunable	DFB	EYP-...-0002	These lasers enable a wide mode-hop free tuning range given by the specified operating temperature range and the specified power range. External backreflections may disturb the spectrum of the laser. The use of a BFW01 or TOC03 package variants and effective optical isolation is recommended for spectroscopic application requiring absolutely mode-hop-free tuning.