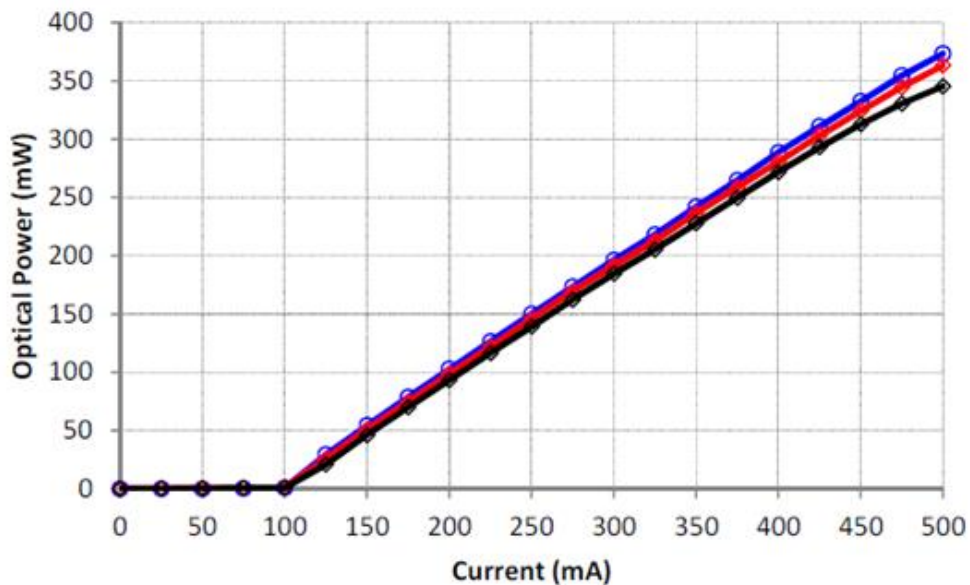


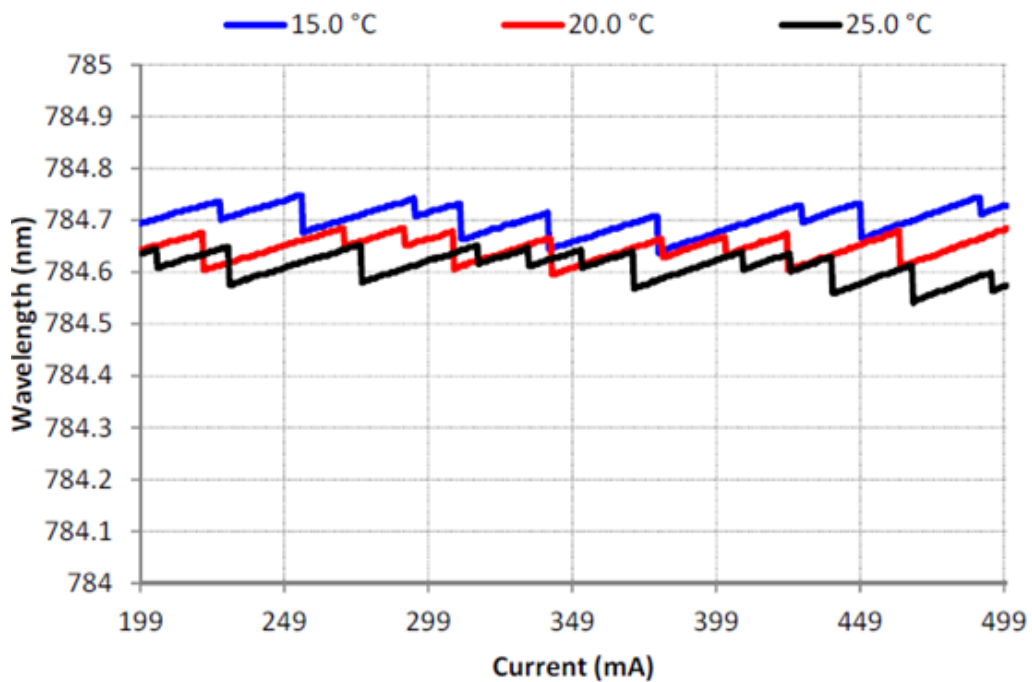
	Symbol	Min	Typical	Max
Center Wavelength	λ_c	784 nm	785nm	786 nm
Laser Linewidth	$\Delta\nu$		-	20 MHz
Single Frequency Output Power CW @ I_{CW} and $T_{center-wave}$	P_{CW-SF}	-	300mW	-
Operating Current CW	I_{CW}	-	-	500 mA
Single Frequency Power Range (ΔP_{SF}) [*] over Wavelength Stabilized Temperature Range ($\Delta T_{stabilized}$)	ΔP_{SF}	200mW [*]	-	-
Wavelength Stabilized Temperature Range ($\Delta T_{stabilized}$)	$\Delta T_{stabilized}$	5°C	-	-
Center Temperature for Wavelength Stabilization	$T_{center-wave}$	15°C		30°C
Threshold Current	I_{TH}	-	110 mA	150 mA
Side Mode Suppression Ratio (SMSR)	SMSR	25dB		
Forward Voltage	V_F	-	2.0 V	2.8 V
Slope Efficiency	$\Delta P/\Delta I$		0.8W/A	
Transverse Beam Divergence Angle (FWHM)	θ_T	-	16°	20°
Lateral Beam Divergence Angle (FWHM)	θ_L	-	7°	10°

Note^{*}: Single Frequency Power Range ($\Delta P_{SF} = \text{min. } 200\text{mW}$) over $\Delta T_{stabilized}$ means 100mW to 300mW single frequency operating power

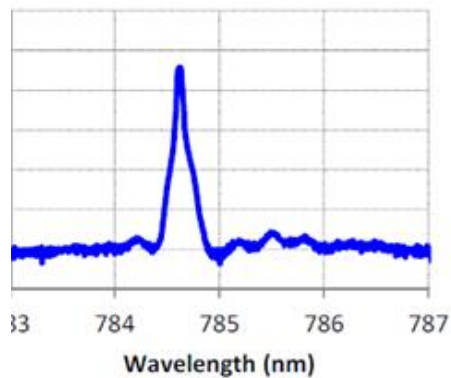
Light vs Current Curve over $\Delta T_{stabilized}$



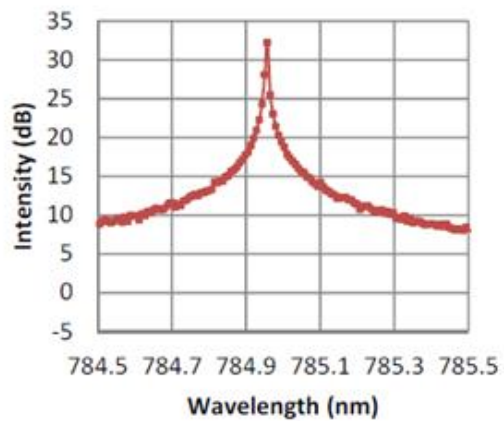
Stabilized Wavelength over Current and $\Delta T_{\text{stabilized}}$



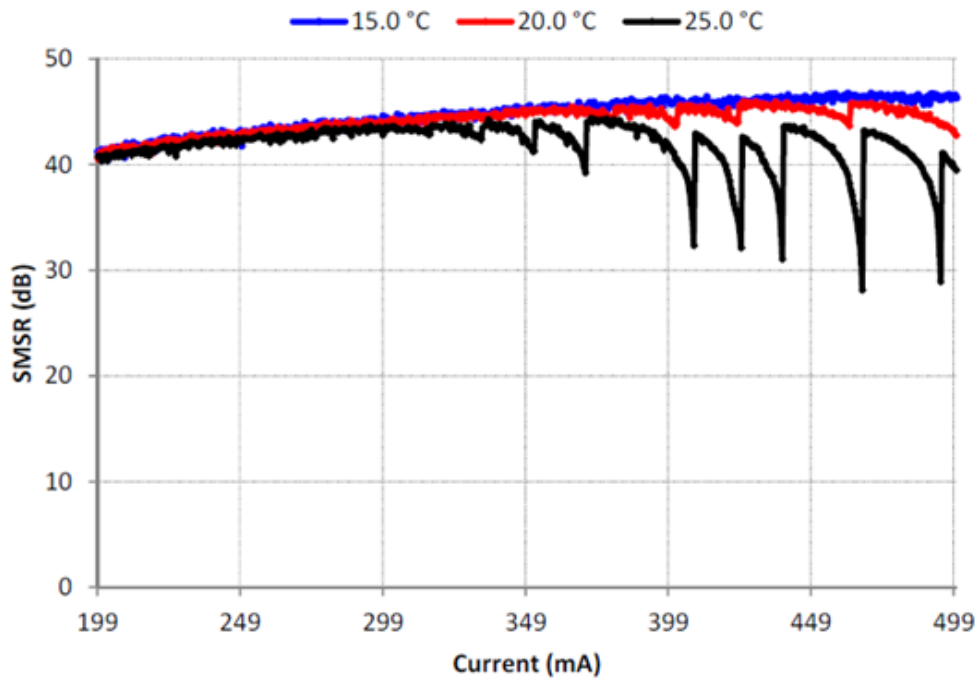
Typical Optical Spectrum (high dynamic Range) at Operating Power



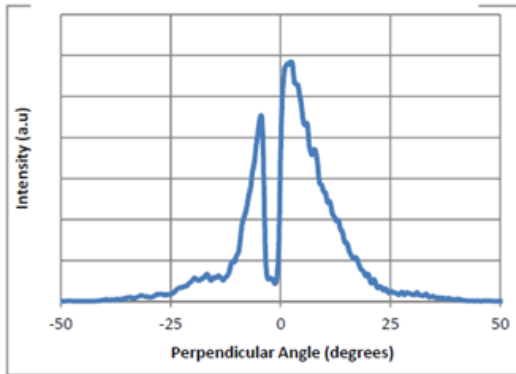
High Resolution Optical Spectrum by THOR OSA (OSA201) with ~8pm resolution at 78



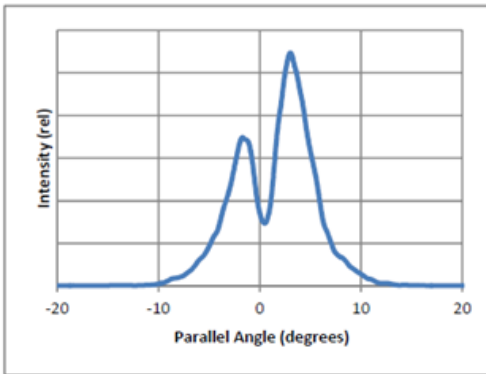
SMSR (Side Mode Suppression Ratio) over Wavelength Stabilized Temperature Range ($\Delta T_{\text{stabilized}}$)



Vertical Far-Field (I=500mA)



Lateral Far-Field (I= 500mA)



Single Mode Fiber Coupled Power

