


Tunable Laser Specification

Optical Parameter	Laser Type N	Laser Type S	Laser Type G	Unit
 Frequency range; C – Band L – Band C + L – Band	190.70 – 196.65 (1524.5 - 1572nm)	191.12 – 196.25 (1527.6 – 1568.6nm) Not available	191.1 – 196.25 (1527.61 – 1568.77nm) Not available	THz
	Continuous	Continuous	Continuous	GHz
	1	10	1	MHz
Frequency fine tune resolution	1	10	1	MHz
Frequency fine tune range	+/- 6	+/- 10	+/- 6	GHz
Optical Power tuning range for any frequency	C Band 10.0 – 16.0 L Band 9.0 – 14.5 C + L Band 6.8 – 10.5	8.8 – 17.8 (17.0 dBm EOL) –	9.5 – 15.5 –	dBm
Spectral Line width; 3dB instantaneous, 3.5us (Lorentzian contribution)	< 100 25 typical	80 typical < 100 (Pout < 16dBm) < 150	< 100 25 typical	kHz
Frequency accuracy over Lifetime Over 24 hours	+/- 2.5 0.3	+/- 1.5 0.3	+/- 2.5 0.3	GHz
SMSR; Side mode suppression ratio; measured with 0.1nm RBW	> 40 55 typical	> 40	> 40 55 typical	dB
RIN (10MHz to 3GHz)	-145 (10 MHz to 44GHz, 7dBm)	-140 (100kHz – 20MHz) -150 (20MHz – 1GHz)	-145 (10 MHz to 44GHz, 7dBm)	dB/Hz
Power accuracy over tuning range	+/- 0.5	+/- 0.5	+/- 0.5	dB
Tuning speed (max/typical)	15 / 10	2 / 1.0	15 / 10	s
Output Connector	FC/APC, FC/PC or SC/PC			
Output power accuracy over Lifetime Over 1 hour		-/+1 +/- 0.01 (typ.)		dB
Over 24 hours		+/- 0.03 (typ.)		
Output power setting resolution		0.1		dB
Optical Fiber	Polarization- maintaining PANDA type Fiber, PER > 18dB, 25typ.			

Click on the of one of the chassis pictures below to retrieve corresponding data sheet

1 Laser Port



DX 1

1-2 Laser Ports



DX 2

1-4 Laser Ports



DX

2-104 Laser Ports



MX

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 Class 1M Laser Product
 EN 60825-1: IEC 60825-1

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