

Bench Top Tunable Lasers

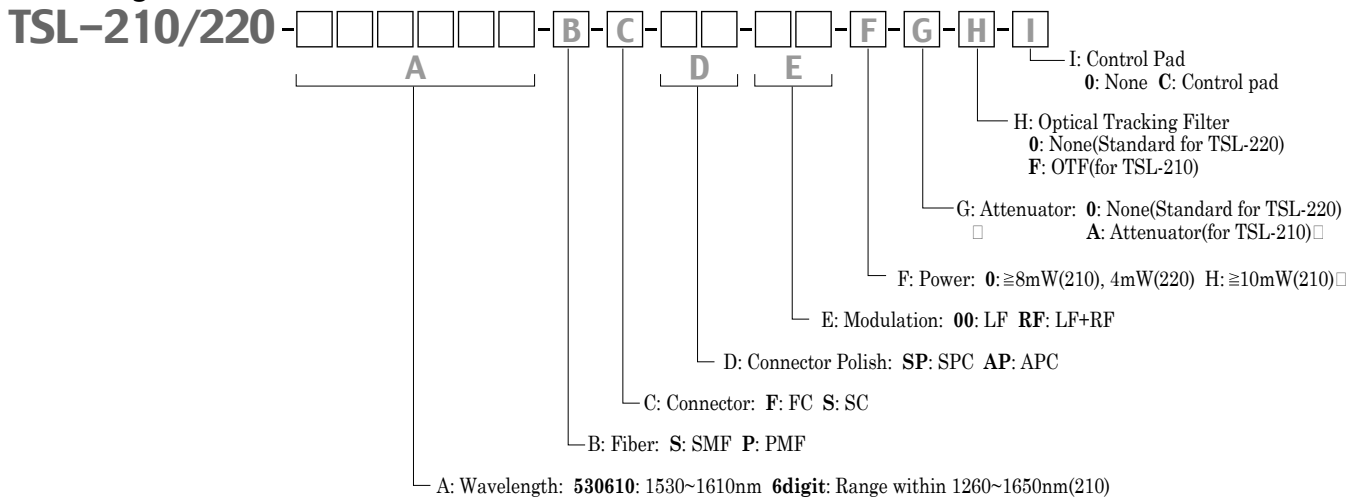
TSL-210/220



Specifications

Category	Parameter	Unit	TSL-210	TSL-220	Notes
Wavelength Characteristics	Tuning Range (Maximum tuning width)	nm	-	1530 to 1610	Refer to "TSL-210 Wavelength Selection(210)
	Resolution	nm	0.01	0.001	Refer to "TSL-210 Wavelength Selection(210)
	Accuracy	nm	<±0.1	<±0.005	0.001nm with fine tuning (210)
	Repeatability	nm	<±0.05	<±0.005	N=50 /Measured at center wavelength
	Stability	nm	<±0.01		After a warm-up 1h/1hour /Measured at center wavelength
	Fine Tuning Range	GHz		10	≈0.08nm
	Tuning Speed	ms/nm		170	Feedback time <500ms (220)
Power	Output Power	mW	-	>4 (Peak)	Refer to "TSL-210 Output Power" (210)
	Accuracy	%		<5	
	Repeatability	dB	<±0.01		N=50 /Measured at center wavelength /at 6dBm
	Stability	dB	<±0.01		After a warm-up 1h/1hour /Measured at center wavelength
	APC Flatness (Built in Attenuator Option)	dB	<±0.2		Measured at 6dBm APC:Automatic Power Control Resolution 0.04dB (Typ.)
	(Built in Tracking Filter Option)	dB	20% down		3dB Bandwidth 3nm (Typ.), Resolution 0.24nm (Typ.)
Environmental Conditions	Operating Temp. Range	°C	20 ~ 30		
	Operating Humidity Range	%	<80		non condensing
	Storage Temp. Range	°C	10 ~ 40		
	Storage Humidity Range	%	<80		non condensing
Spectrum	Recommendation Calibration Period	Year	1		
	Spectrum Line Width (Coh. OFF)	MHz	<1		Measured at center wavelength
	Spectrum Line Width (Coh. ON)	MHz	1 to 500		Variable /Measured at center wavelength
	SSR	dB	>45		Measured at center wavelength
Interface	RIN	dB	>145		Measurement Freq. <1GHz
	Optical Connector	-	FC or SC		
	Optical Fiber	-	SMF or PMF		
	Connector Polish	-	SPC or APC		
Modulation	GP-IB & RS-232C	-	Yes		IEEE-488
	LF modulation (RF Modulation option)	KHz	0 to 10		
Power Supply	Voltage	V	AC100-240		
	Power Consumption	VA	35-55		
Dimensions	Width x Height x Depth	mm	210x110x370		
	Weight	kg	6		

Ordering Code



www.santec.com E-Mail : sales@santec.com

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SANTEC CORPORATION

5823 Ohkusa-Nenjyozaka, Komaki, Aichi 485-0802, Japan Tel.+81-568-79-1959 Fax +81-568-79-1718

SANTEC U.S.A. CORPORATION

433 Hackensack Ave., Hackensack, NJ, 07601, U.S.A. Toll Free +1-800-726-8321 (santec-1) Tel.+1-201-488-5505 Fax +1-201-488-7702

SANTEC EUROPE LIMITED

Magdalen Centre, Robert Robinson Ave., The Oxford Science Park, Oxford OX4 4GA, U.K. Tel.+44-1865-784960 Fax +44-1865-784961

SANTEC (SHANGHAI) CORPORATION, LIMITED

Shanghai Industrial Investment Building 18C 18 Cao Xi Road (N) 200030, Shanghai, China Tel.+86-21-64279089 Fax +86-21-64279087