

# High Resolution Tunable Laser

## KLS-601A



- High wavelength resolution: 0.1pm
- Wide wavelength coverage :  
1220nm/O/E/SC/CL/U-band are available
- Narrow spectrum width applicable for beat generation :  
Less than 50kHz (Typical)
- Extremely low relative intensity noise(RIN) :  
Less than -145dB/Hz (at +0dBm)

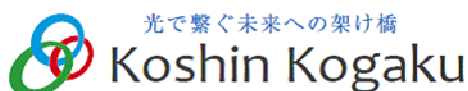
model	1220-band	O-band	ES-band	SC-band	CL-band	U-band
Tunable wavelength range	1180-1270nm	1260-1370nm	1400-1530nm	1460-1570nm	1525-1630nm	1620-1680nm
Wavelength accuracy	$\leq \pm 15\text{pm}$					
Wavelength setting resolution	0.1pm					
Optical output power *1	$\geq +3\text{dBm}$					$\geq 0\text{dBm}$
Line width (typical) *2	$\leq 100\text{kHz}$			$\leq 50\text{kHz}$		
RIN (typical) *2	$\leq -145\text{dB/Hz}$					
Frequency stability *3	$\leq \pm 100\text{MHz}(60\text{min.}) = \pm 0.8\text{pm}(\text{Converted wavelength stability})$					
Optical output stability *3	$\leq \pm 0.03\text{dB}(60\text{min.})$					
Optical output flatness *2	$\leq \pm 0.2\text{dB}$ (APS function : ON)					
Optical attenuator	Available (Max $\sim$ -30dB : resolution 0.01dB)					
Optical output monitor function	Available (on the display)					
Built-in LF modulation	Available (Coherence control function)					
Beam shatter function	Available					
Out put fiber	PMF					
Polarization status	Linear polarization, Key direction of output connector, extinction ratio $\geq 20\text{dB}(\text{typical})$					
Size	340W*450D*145H					

\*1:Output power can be increased depending on model.

\*2:Typical

\*3:The conditions of environmental temperature stability.

\*\*:Specification may change without notice.



Koshin Kogaku Co., Ltd.  
69-3 Bodai, Hadano-shi, Kanagawa, 259-1302 JAPAN  
Sales Dept. TEL : 0463-75-5196 FAX : 0463-75-3535



Yamaichi Electronics Co., Ltd.  
11F Technoport Mitsui Seimei Bldg.  
2-16-2, Minamikamata, Ota-ku, Tokyo 144-8581, JAPAN  
TEL : 03-3734-0110 FAX : 03-3734-0120

CLASS 1 LASER PRODUCT  
IEC60825-1: 2007

# Tunable Laser

## KLS-201A



- Wavelength resolution: 0.1nm
- Wide wavelength coverage : 1064/1220nm/O/ES/SC/CL/U-band are available
- Narrow spectrum width applicable for beat generation : Less than 50kHz (Typical)
- Extremely low relative intensity noise(RIN) : Less than -145dB/Hz (at +0dBm)

model	1064	1100	1220	O	ES	SC	CL	U
Wavelength range	1000-1100nm	1050-1150nm	1180-1270nm	1260-1370nm	1400-1530nm	1460-1570nm	1525-1630nm	1620-1680nm
Wavelength accuracy	+/-0.5nm			+/-0.2nm				
Wavelength setting resolution	0.1nm							
Optical output power *1	≥+3dBm							
Line width *2	≤500kHz	≤100kHz		≤50kHz				
RIN*2	≤-145dB/Hz							
Wavelength stability*3	≤+/-1.0pm (60min.)		≤+/-0.8pm (60min.)					
Optical output stability*3	≤+/-0.05dB (60min.)		≤+/-0.03dB (60min.)					
Optical output flatness *2	≤+/-0.5dB		≤+/-0.2dB (APS:ON)					
Optical attenuator	Available (Max to -30dB : resolution 0.01dB)							
Optical output monitor	Available (on the display)							
Built-in LF modulation	Available (Coherence control function)							
Chop function	270Hz							
Beam shutter function	Available							
Output fiber	PMF							
Polarization status*2	Linear polarization, Key direction of output connector, extinction ratio ≥20dB							
Size	340W*450D*145H							

\*1:Output power can be increased depending on model.

\*2:Typical

\*3:The conditions of environmental temperature stability.

\*\*:Specification may change without notice.



光で繋ぐ未来への架け橋

Koshin Kogaku Co., Ltd.  
69-3 Bodai, Hadano-shi, Kanagawa, 259-1302 JAPAN  
Sales Dept. TEL : +81-463-75-5196 FAX : +81-463-75-3535



Yamaichi Electronics Co., Ltd.  
11F Technoport Mitsui Seimei Bldg.  
2-16-2, Minamikamata, Ota-ku, Tokyo 144-8581, JAPAN  
TEL : +81-3-3734-0110 FAX : +81-3-3734-0120

CLASS 1 LASER PRODUCT  
IEC60825-1: 2007