



- Cavity enhanced conversion for your selected wavelengths bands (1.4-1.9 micron and 2.4-4.4 micron)
- NIR /MIR dual outputs
- Choice of tunable broadband (TB) or tunable narrowband (TS)
- Optional free-space output or fiber output

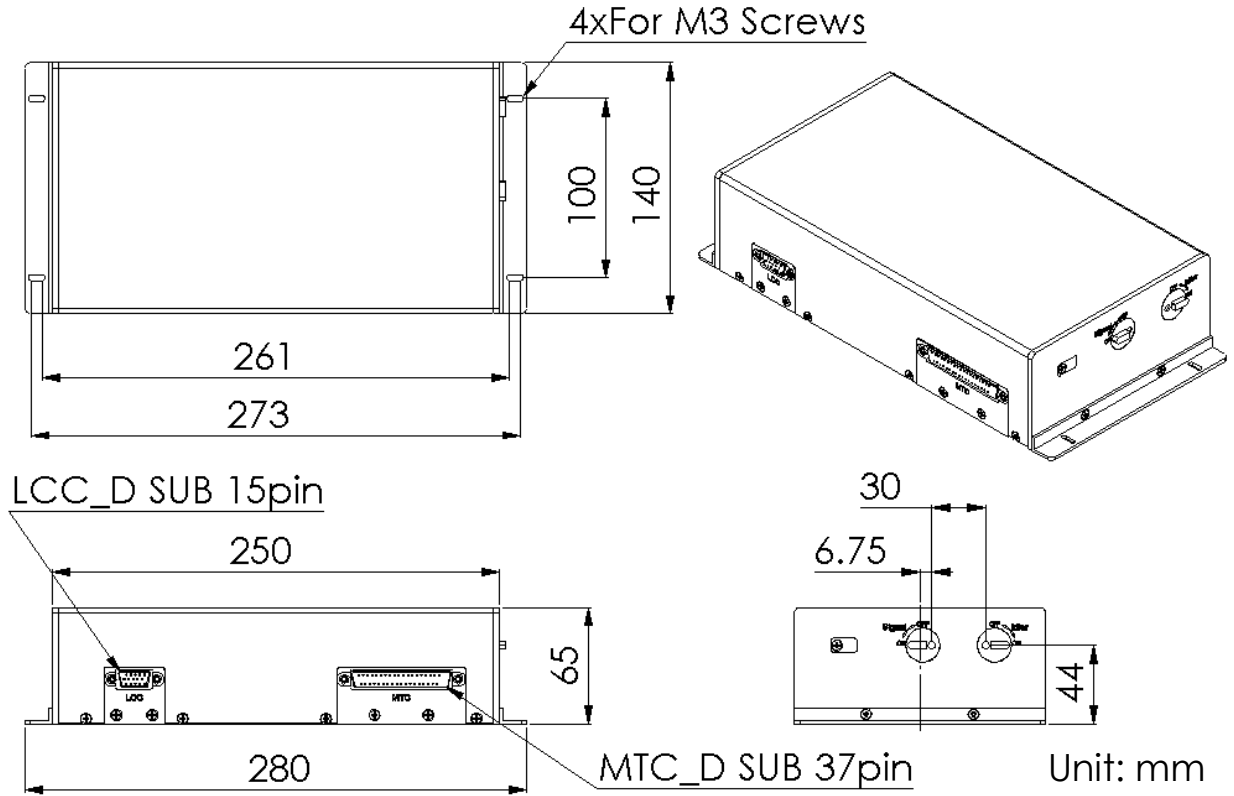
Reference Specification sheet

Optics (General)	unit	Specification			Note
Mixer Type		Tunable ICOPO Mixer			
Output Wavelength - Signal	nm	α series - 1560 - 1880β series - 1495 - 1640γ series - 1440 - 1510			
Output Wavelength - Idler	nm	α series - 2500 - 3300β series - 3000 - 3700γ series - 3600 - 4100			
Optics (Output)	unit	Minimum	Typical	Maximum	Note
Output power - Signal	mW	α series - 250β series - 250γ series - 200			[1]
Output power - Idler	mW	α series - 100β series - 90γ series - 70			[1]
Beam quality, M ² - Signal			1.1	1.2	
Beam quality, M ² - Idler			1.2	1.5	
Linewidth	GHz	150			[2]
Diameter of collimated output beam	mm	0.8	1	1.2	[3]
Output beam (TEM ₀₀) ellipticity	%	10			20
Residual power rejection ratio at different wavelength	dB	40	45		
Output polarization state		linear @ vertical axis			
Output PER	dB	20	25		
Output beam height	mm	43.5	44	44.5	
Output beam angle	mrad	-7.5	0	7.5	
Mechanics	unit	Specification			Note
Housing dimension (L*W*H)	mm	280x140x65			
Electrics	unit	Minimum	Typical	Maximum	Note
Controller		Customized controller			[4]
Environment	unit	Minimum	Typical	Maximum	Note
Storage temperature (no humidity)	°C	-20	-	70	
Operating temperature range	°C	10	25	35	
Operating relative humidity (non condensing)	%RH	0	-	85	
Vibration / Shock		Refer to ISTA-2A			
Restriction of hazardous substances directive (RoHs)		Declaration of Conformity to 2011/65/EG			

[3] Defined by the center wavelength in the mixer, and for the whole wavelength range, the divergence angle will be similar to the center wavelength

[4] Customized controller and software for operation

- Mechanical drawing



- Reference for output power at different output wavelength

