1x1 2W green mixer

Preliminary

- **Plug & play with fiber-input/output**
- **Single-pass & high-efficiency**
- **Compact & robust**

Reference Specification sheet

Optics (General)	unit	Specification			Note
Mixer Type		Second Harmonic Generation (SHG)			
Mixer Pigtailing Type		1x1			
Input Wavelength	nm	1064			
Output Wavelength	nm	532			
Input Fiber, Connector		FUD3460, None			
Output Fiber, Connector		None			
Specified pump power	W	14			
Pump condition		CW, multimode mode, <0.06nm linewidth			[1]
Optics (output)	**unit**	**Minimum**	**Typical**	**Maximum**	**Note**
Output power @ specified pump	W	2	2.2		
Residual IR/output power rejection ratio	dB	40	45		
Output polarization state		linear @ slow axis			
Output PER	dB	18	20		
Back reflection of IR wavelength	dB		-45	-42	
Mechanics	**unit**	**Specification**			**Note**
Housing dimension (L*W*H)	mm	150x50x35			
Electrics	**unit**	**Minimum**	**Typical**	**Maximum**	**Note**
Electrical connector		Hiroshi HR 10G-10P(73)			
Thermoelectric cooler		3.2V, 4A maximum, Qc = 6.9 W			
NTC Thermistor resistance@25°C	kΩ	10			
Thermistor B vale (B25/85)	K	3478			
PD response	V/W	0.8	1	1.2	
PD response linearity	%		4	8	[2]
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			

[1] Efficiency will be different for single longitudinal mode pump
[2] Defined by the range from 20% to full power

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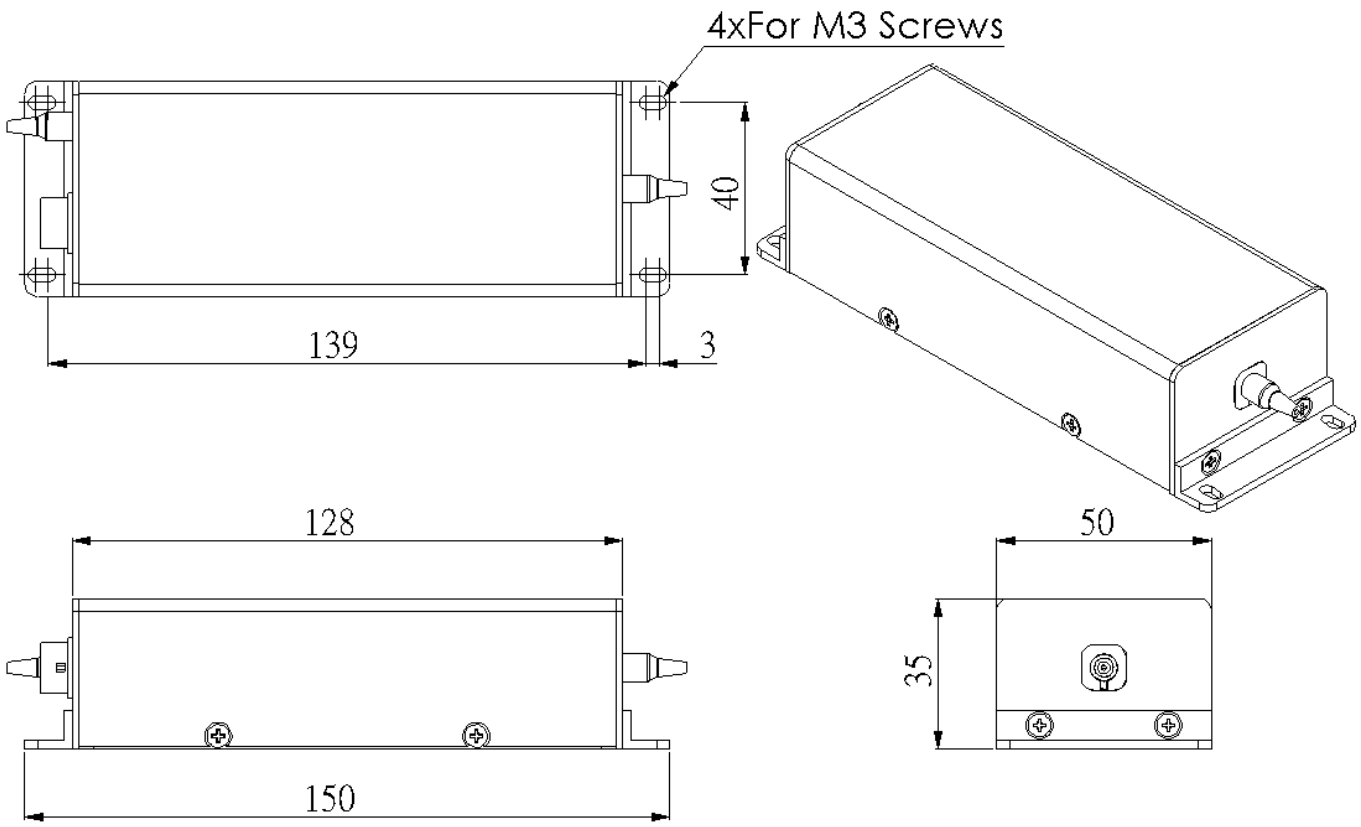
- Mechanical drawing



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