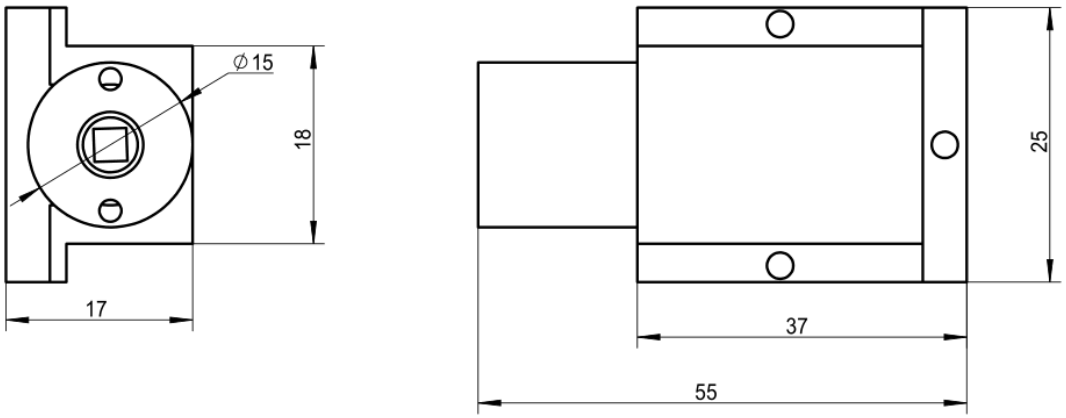
GLM-571-1000-2555

Yellow Laser Module

Features

- Fast Rise Time

Dimensions (mm)



FRANKFURT LASER COMPANY
An den 30 Morgen 13, 61381 Friedrichsdorf, Germany
Tel.: +49(0)6172.27978-0 Fax: +49(0)6172.27978-10
E-mail: sales@frlaserco.com; Internet: **WWW.FRLASERCO.COM**

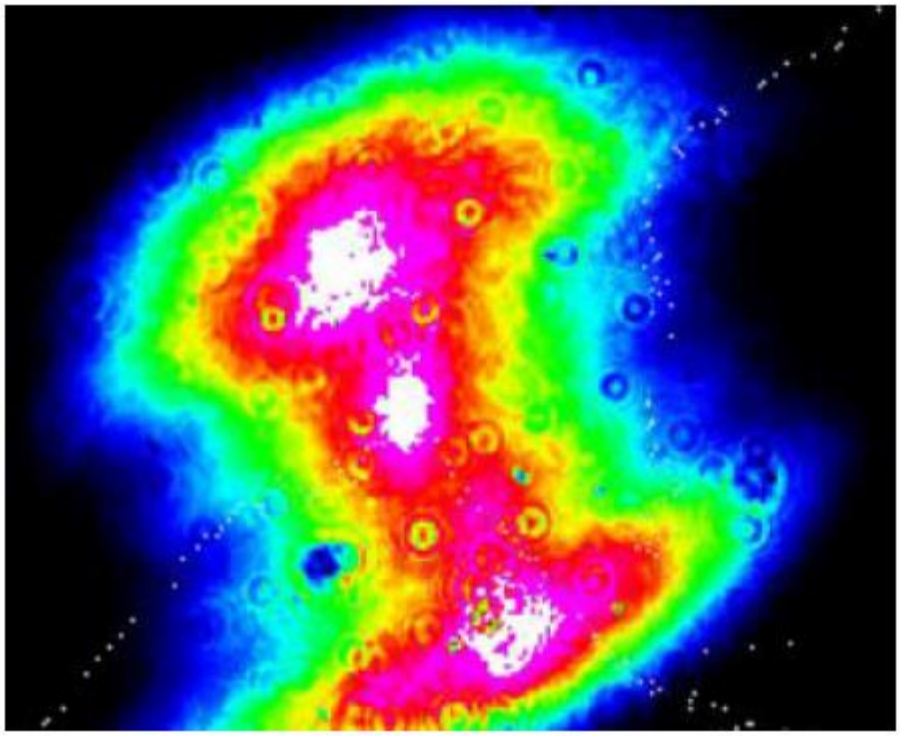
Specifications					
Model Number		**GLM-571-1000-2555**			
Mechanical Specifications		***Specs***			***Conditions***
		Min	***Typ***	***Max***	
Laser Head	Width x Height (mm)	25x16	25x17	25x18	
	Length (mm)	-	-	55	
	Weight (g)	-	-	200	
Housing Material		Brass with gold plating			
Optical Specifications					
Wavelength (nm)		569	571	573	
Spectral Bandwidth (nm)		-	-	1	
Output Power (mW) at 25°C		800	-	-	at 10A
Power Stability at constant Temperature		-	±5%	±10%	after max. 3 min
Output Power Mode		-	CW	-	
Laser Class		-	4	-	
Beam Specifications					
Beam Divergence (mrad)		-	30	40	full angle, 1/e²
Beam Alignment Tolerance	Position (Δr, mm)	-	-	0.5	at output Window
	Off-axis Angle (mrad)	-	35	60	full angle
Beam Diameter (mm)		-	0.5	-	at output Window
Beam Roundness		-	NA	-	
Beam Mode Longitudinal		Multimode			
Beam Mode Transverse		TEM_{n1}			see example of beam spot
Polarisation Ratio		100:1	-	-	
Residual IR		-	-	3%	
Electrical Specifications					
PCB Type		ACC			
Operating Voltage (V)		1.8	2.0	2.3	DC
Operating Current (mA)		-	10000	12000	at 2V
Housing Isolation		No			
ESD Protection		No			
Power Consumption (W)		-	20	27.6	at 25°C

FRANKFURT LASER COMPANY
An den 30 Morgen 13, 61381 Friedrichsdorf, Germany
Tel.: +49(0)6172.27978-0 Fax: +49(0)6172.27978-10
E-mail: sales@frlaserco.com; Internet: **WWW.FRLASERCO.COM**

Electrical Specifications	Specs			Conditions
	Min	Typ	Max	
Wire Length (mm)		200±50		Others on request
Wire Type		20AWG for LD wires 28AWG for NTC wires		
Thermistor Resistance		10kΩ		@25°C
Thermistor Constants		$A = 2.231e^{-3}$ $B = 4.694e^{-5}$ $C = 0.884e^{-6}$		
Reliability				
Operating NTC Temperature Range (°C)	T-0.1	T(1)	T+0.1	
Rise Time (minutes) at T(2)	-	8	10	at 10A
Storage Temperature (°C)	0	-	40	
Environmental Humidity (RH, %)	5	-	85	
Lifetime (hours)	5000	-	-	MTTF at 25 °C

(1) T is one optimum LD operating temperature between 15 to 35℃ reflected by NTC resistance and will be advised in each test report.
(2) to 50% of full Output Power. Dot (~10mW) can be seen after 0.2s if >1A

Example of Beam Spot



FRANKFURT LASER COMPANY
An den 30 Morgen 13, 61381 Friedrichsdorf, Germany
Tel.: +49(0)6172.27978-0 Fax: +49(0)6172.27978-10
E-mail: sales@frlaserco.com; Internet: **WWW.FRLASERCO.COM**