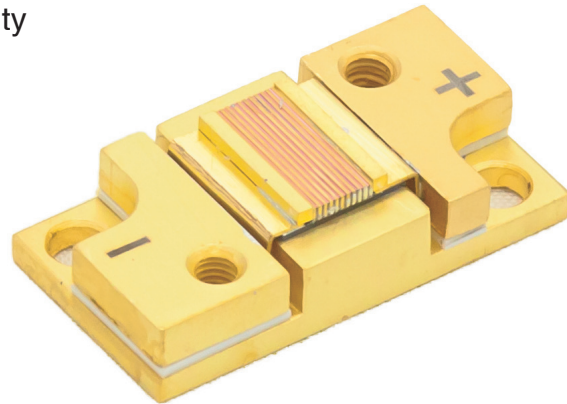


Conductive Cooled G-Stack

Features

- ◆ AuSn Solder Assembly, Higher Reliability
- ◆ 760nm to 1100nm
- ◆ 100W to 300W peak power per bar
- ◆ High Temperature application

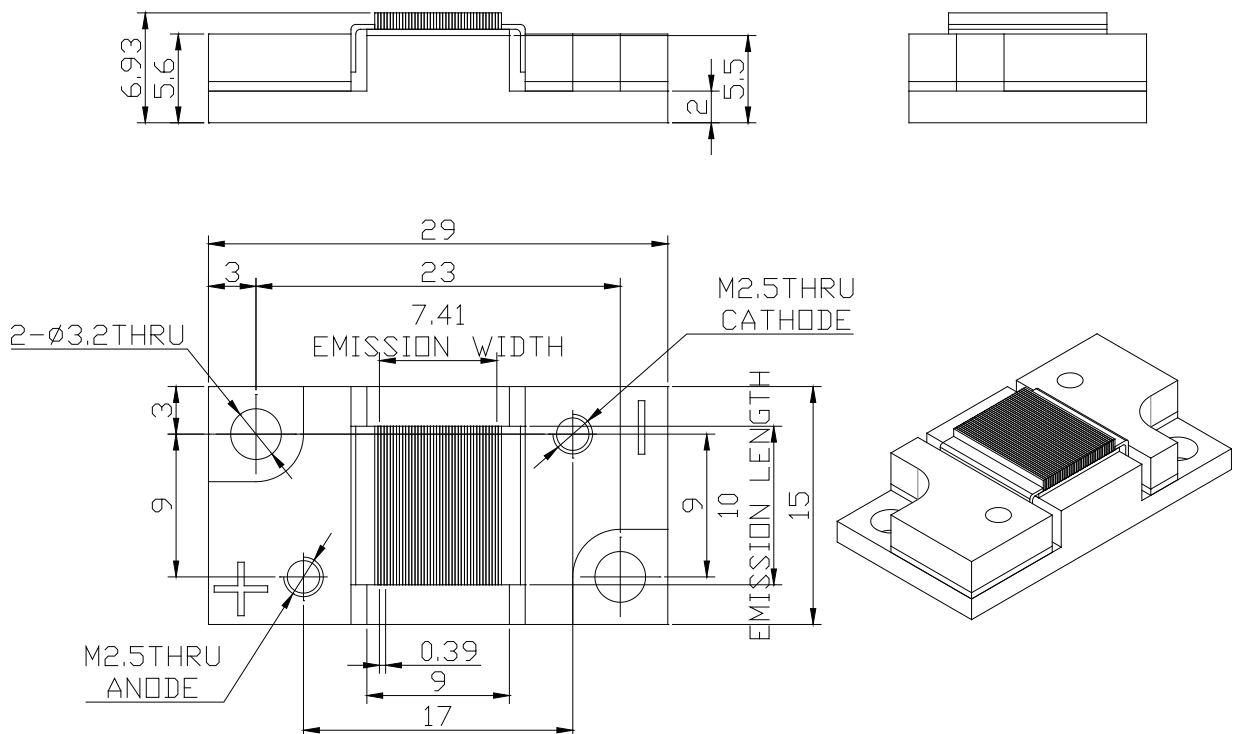


Appication

- ◆ Pumping
- ◆ Illumination

Dimensions (mm)

GS01



Characteristics (Typical values T=25° C)				
	Min.	Typ.	Max.	Units
Output Peak Power	150		6000	W
Operation Mode	QCW			
Pulse Width			300	us
Frequency			100	Hz
Duty Cycle			2	%
Expected Lifetime	10 ⁹ Pulses			
Optical Parameter				
Central Wavelengths Available	760~1100			nm
Wavelength Tolerance	+/-3nm			nm
Peak Output Power per Bar	100~300			W
Number of Bars	1		20	
Pitch Between Bars		0.4		mm
Emission Size		10*8		mm
Fast-Axis Divergence (FWHM)		35	38	°
Slow-Axis Divergence (FWHM)		10	12	°
Electrical Parameter				
Operating Current	100		300	A
Threshold Current	13		30	A
Operating Voltage per Bar			2	V
Power Conversion Efficiency	50	55		%
Thermal Parameters				
Operating Temperature	-30		70	°C
Storage Temperature	-40		85	°C
Wavelength Coefficient		0.3		nm/°C