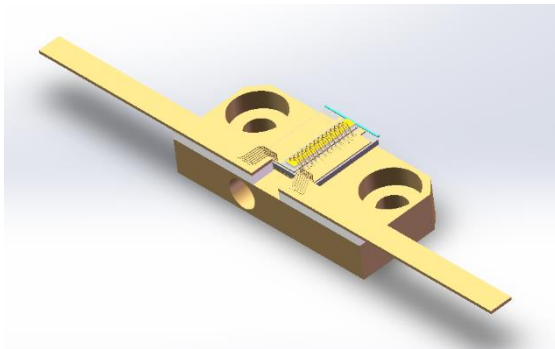


808nm 15W Uncooled F-Mount Laser Diode Module

TY-FM03-810±03nm-15.0W-01



SkyEra delivers uncooled single emitter diode lasers, employing AuSn bonding package with multiple advantages of stable output power, high power, high efficiency, long lifetime and high compatibility, and are widely applied in the market.

The performance and aging tests have been performed upon the production line to ensure reliable, stable and long lifetime of products.

To provide customers with high-quality, high cost performance products is the company's goal.

Features:

- Single emitter design
- High output power
- High stability
- Long lifetime
- RoHS compliance

Application:

- Medical
- Printing
- Industry
- Pumping
- Lighting

Specification:

Functional parameters are tested at the temperature of the heat sink is 25 degree, contact resistance of the component and heat sink is less than 1 CM² K/W. Reduced lifetime if used above nominal operating conditions. A non-condensing environment is required for storage and operation below the ambient dew point.

Parameters	Min	Typ	Max	Unit	Conditions
Output Power		15.0		W	
Center Wavelength FM-03	807	810	813	nm	
Spectral Width (FWHM)	-	3.0	-	nm	
Spectral Width (90%)	-	5.0	-	nm	
Fast-Axis Divergence (FWHM)	-	12.0	-	°	Beam collimation
Slow-Axis Divergence (FWHM)	-	10.0	-	°	
Wavelength shift vs. Temperature	-	0.35	-	nm/°C	
Polarization Mode	-	TE	-	-	
Emitter Size	-	400	-	μm	
Threshold Current	-	2.5	-	A	
Operating Current	-	-	16	A	
Operating Voltage	-	1.75	2.0	V	
Power Conversion Efficiency	-	55.0	-	%	
Slop Efficiency	-	1.05	-	W/A	
Storage Temperature	0	25	80	°C	non-condensing
Operating Temperature	15	25	55	°C	non-condensing
Apparent Size	-	35.0X6.25X3.1	-	mm	

