

Model		M808±10-20-D400/22-G3-AP		
Optical	Unit	Min	Typical	Max
Output power (exit fiber)	W	18	20	
Centroid wavelength	nm	798	808	818
Spectral width (FWHM)	nm		< 5.0	
Wavelength temp. coefficient	nm/°C		0.35	
Fiber Receptacle				
Core diameter	µm		400	
Numerical aperture	-	0.20	0.22	
Connector	-		SMA905	
Electric				
Threshold current	A		1.7	
Operating current	A		8.0	8.5
Operating voltage	V		5.45	5.55
Slope efficiency	W/A		3.3	
Electrical-to-Optical efficiency	-	45%	46%	
Red Aiming				
Wavelength	nm		650±10	
Output power at fiber end	mW		2.0	
Operating voltage	V		4.5 – 5.0	
Thermistor				
Resistance at 25°C	Ω		10k	
Beta	-		3477±3%	
Absolute Ratings				
Operating (thermistor) temperature	°C		20 – 35	
Operating humidity	%		< 75	
Storage temperature	°C		-20 – +80	
Soldering temperature	°C		250 (10s)	

Compliance with Regulatory Requirements: This industrial laser is an OEM version of a laser diode. As such, it is intended only for integration into other equipment. This laser does not comply with IEC and CDRH requirements. The customer is responsible for IEC and CDRH certifications of the system that incorporates this industrial laser.



