

## GDLM-MA-0005-WTB-06-00-A

Model Number		GDLM-MA-0005-WTB-06-00-A			
Optical Parameters		Photop Specs			Conditions
		Min	Typ	Max	
Wavelength		531nm	532nm	533nm	
Output Power		4mW	5mW	6mW	At 25 °C
Power Stability	2hours @ Constant Temp	-	-	+/-5%	APC
	Over Operating Temp Range	3mW	-	6mW	
Operating Temperature		10~+40 °C		-	APC
Residual IR		-	-	1%	
Beam Diameter		-	-	25mm	At 15m
Beam Divergence		-	-	1.7mrad	Full angle
Roundness		85%	-	100%	
Warm Up Time		-	1s	-	
Electrical Parameters					
LD Working Voltage		1.6V	1.9V	2.2V	
Monitor Current		20uA	-	200uA	
Power Consumption		-	-	300mW	At 25 °C, modulated
Mechanical Parameters					
Laser Head Dimensions	Length	18.95mm	19mm	19.05mm	
	Diameter	5.95mm	6mm	6.03mm	
Beam Alignment Tolerance	Position( $\Delta r$ )	-	0.3mm	0.5mm	
	Angle	-	-	2 Degree	
Reliability					
Storage Temperature		-	-10 to +50 °C	-	
Shock		-	1500g, 1ms, 6 shocks	-	3 axes, 2 shocks/axis
Vibration		-	20~2000Hz, 0.02g <sup>2</sup> /Hz	-	3 axes, 1hr/axis
Expected Lifetime (MTTF)		5000hrs	-	-	Room temperature