

## LDM-0515-C-0003-00-99-00-B

**Key Features:**

Mini Size  
 High Reliability  
 High Performance  
 Wide Operating Temperature  
 Auto Power Controlled

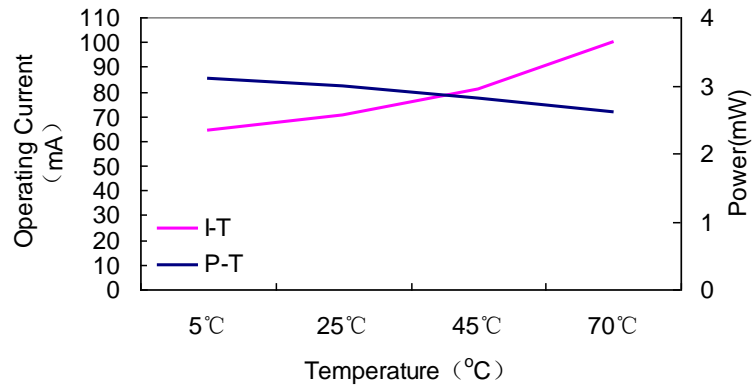
**Applications:**

Laser Display  
 Surveying Equipment  
 Laser Alignment & Pointing

Model Number		LDM-0515-C-0003-00-99-00-B			
Optical Parameters		Photop Specs			Conditions
		Min	Typ	Max	
Wavelength		510nm	515nm	530nm	
Spectral Width		-	2nm	-	
Rating Output Power		-	3mW	-	
Power Stability(2hours @ Constant Temp)		-	-	TBD	APC Mode
Operating Temperature (Case)		-	5~70°C	-	
Laser Beam Spot size @ 10 m		-	Major axis,9.0mm Minor axis,7.0mm	TBD	10 m ,P <sub>0</sub> =3mW
Laser Beam Roundness		-	80%	-	
Beam Divergence (Calculated)		-	0.6mrad	TBD	Full angle
Optic Material		Glass			
Electrical Parameters					
Operating Current		-	70mA	120mA	P <sub>0</sub> =3mW, 5~70°C
Operating Voltage		-	6V	7V	P <sub>0</sub> =3mW, 5~70°C
Monitor Current		-	40uA	-	P <sub>0</sub> =3mW, V <sub>R(pd)</sub> =5V
Rating Power Consumption		-	0.4W	0.8W	P <sub>0</sub> =3mW, 5~70°C
Mechanical Parameters					
Laser Head Dimensions	Length	-	9.8mm	-	refer to dimensions drawing
	Diameter	-	6.0mm	-	refer to dimensions drawing
Beam Alignment Angle(Off-axis Angle)		-	1.0 degree	1.5 degree	
Laser Weight		-	TBD	-	
Reliability					
Operating Humidity		-	5%~85% R.H.	-	
Storage Temperature		-	-40 to +85 °C	-	
Shock		-	1500g, 0.5ms, 6 shocks	-	3 axes, 2 shocks/axis
Vibration		-	20~2000Hz, 0.02g <sup>2</sup> /Hz	-	3 axes, 1hr/axis
Expected Lifetime (MTTF)		10000hrs	-	-	3mW,25°C

### Typical Output Performance

I-T & P-T @APC 3mW



### Dimensions and Pin Configuration (Unit: mm)

