

## LDM-0520-C-0004-01-99-000-A

**Key Features:**

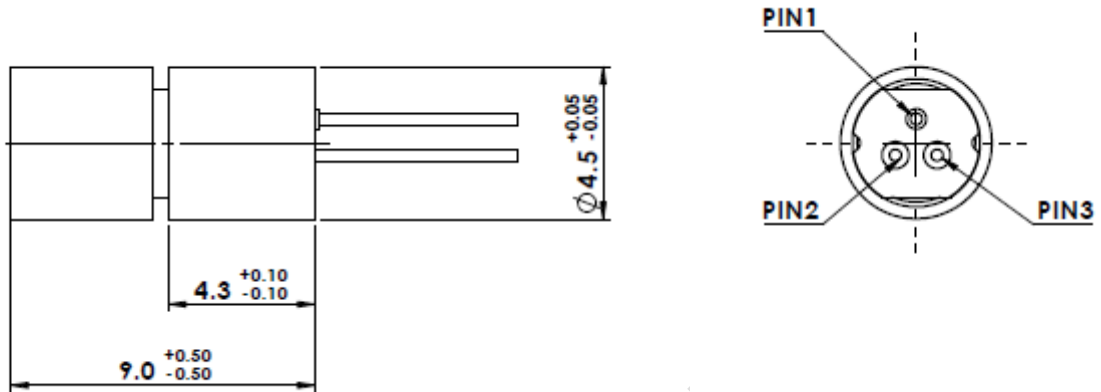
High Reliability  
 High Performance  
 Auto Current Controlled  
 Wide Operating Temperature

**Applications:**

Laser Display  
 Surveying Equipment  
 Laser Alignment & Pointing

Model Number	LDM-0520-C-0004-01-99-000-A			
Optical Parameters	Specs			Conditions
	Min	Typ	Max	
Wavelength	510nm	520nm	530nm	Tcase=25 °C
Output Power	-	4.0mW	-	ACC mode, Tcase=25 °C
Beam Divergence (slow axis 1/e <sup>2</sup> )	-	0.5mrad	1.0mrad	Tcase=25 °C
Beam Alignment Tolerance (Off-axis Angle, half angel)	-	1.0degree	1.5degree	Tcase=25 °C
Operating Temperature (Case)	0 °C	25 °C	60 °C	
Optic Material	Glass			
Electrical Parameters				
Operating Current	-	60mA	160mA	P <sub>0</sub> =4.0mW, Tcase=25 °C
Operating Voltage	-	6.0V	8.0V	P <sub>0</sub> =4.0mW, Tcase=25 °C
Mechanical Parameters				
Laser Head Dimensions	Length	-	9.0mm	-
	Diameter	-	4.5mm	-
Reliability				
Storage Humidity	-	5%~85% R.H.	-	Non-condensing
Storage Temperature	-	-40 to +85 °C	-	
Shock	1500g, 0.5ms, 2 times/axis, 6 times for 3 axes totally			
Vibration	0.02g <sup>2</sup> /Hz, 20~2000Hz, 1hrs./axis, 3 hrs. for 3 axes totally			
Expected Lifetime (MTTF)	10000	-	-	P <sub>0</sub> =4.0mW, Tcase=25 °C

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



PIN1: Case  
PIN2: LD Anode  
PIN3: LD Cathode