

## LDM-0635-C-0004-06-99-000-A

**Key Features:**

High Reliability  
 High Performance  
 Auto Power Controlled  
 Wide Operating Temperature

**Applications:**

Laser Display  
 Surveying Equipment  
 Laser Alignment & Pointing

Model Number		LDM-0635-C-0004-06-99-000-A			
Optical Parameters		Specs			Conditions
		Min	Typ	Max	
Wavelength		630nm	637nm	640nm	Tcase=25 °C
Output Power		3.5mW	4.2mW	4.8mW	V <sub>CC</sub> =3.5V, Tcase=25 °C
Beam Divergence (slow axis 1/e <sup>2</sup> )		-	0.5mrad	1.0mrad	V <sub>CC</sub> =3.5V, Tcase=25 °C
Beam Alignment Tolerance (Off-axis Angle, half angel)		-	1.0degree	1.5degree	V <sub>CC</sub> =3.5V, Tcase=25 °C
Operating Temperature (Case)		0 °C	25 °C	40 °C	
Optic Material		Glass			
Electrical Parameters					
Operating Current		-	37mA	70mA	V <sub>CC</sub> =3.5V, Tcase=25 °C
Operating Voltage		3.0V	3.5V	3.7V	
Mechanical Parameters					
Laser Head Dimensions	Length	-	11.5mm	-	
	Diameter	-	3.9mm	-	
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)		10000hrs	-	-	V <sub>CC</sub> =3.5V, Tcase=25 °C

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

