

LDM-0850-C-0004-04-99-000-A

Key Features:

High Reliability
 High Performance
 Auto Power Controlled PCB
 Wide Operating Temperature

Applications:

Laser Display
 Surveying Equipment
 Laser Alignment & Pointing

Model Number		LDM-0850-C-0004-04-99-000-A			
Optical Parameters		Specs			Conditions
		Min	Typ	Max	
Wavelength		845nm	850nm	855nm	Tcase=25 °C
Output Power		3.5mW	4.2mW	4.8mW	V _{CC} =3V, Tcase=25 °C
Beam Divergence (slow axis 1/e ²)		-	0.5mrad	1.0mrad	V _{CC} =3V, Tcase=25 °C
Beam Alignment Tolerance (Off-axis Angle, half angel)		-	1.0degree	1.5degree	V _{CC} =3V, Tcase=25 °C
Operating Temperature (Case)		0 °C	25 °C	60 °C	
Optic Material		Glass			
Electrical Parameters					
Operating Current		-	16mA	39mA	V _{CC} =3V, Tcase=25 °C
Operating Voltage		2.5 V	3.0V	3.5V	
Mechanical Parameters					
Laser Head Dimensions	Length	-	20.0mm	-	
	Diameter	-	7.0mm	-	
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 ² /Hz, 20~2000Hz, 1hrs./axis, 3 hrs. for 3 axes totally			
Expected Lifetime (MTTF)		10000	-	-	V _{CC} =3V, Tcase=25 °C

Dimensions and Pin Configuration (Unit: mm)

