

# DPQLM-1535-C-0040-005N-03-30-000-A

**Key Features:**

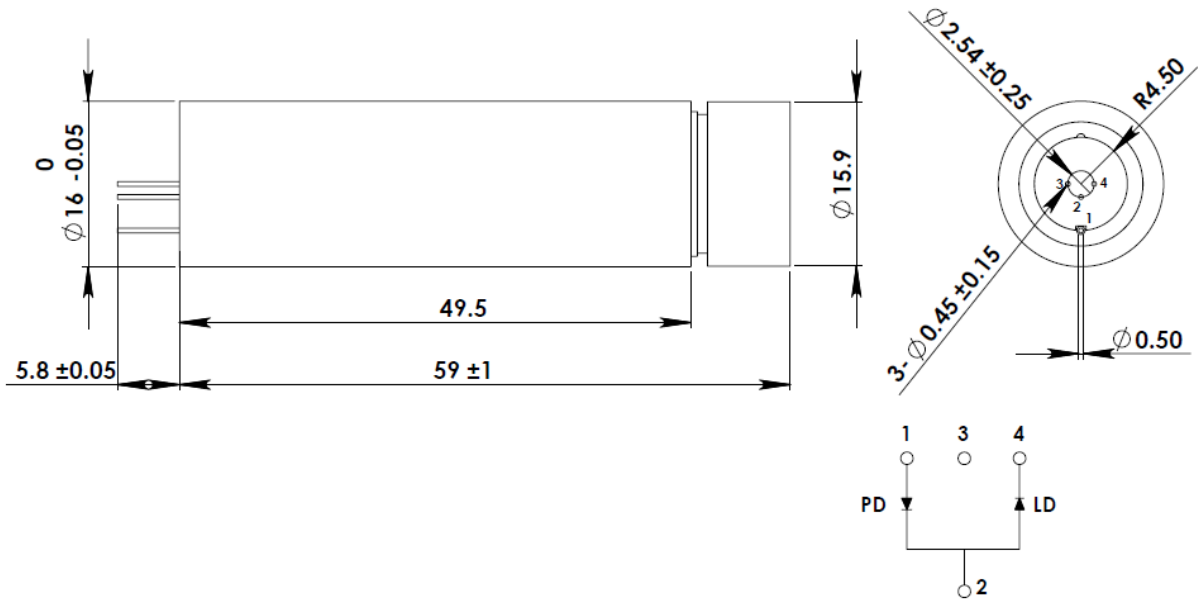
Compact Size  
 High Reliability  
 Internal Photodiode  
 Low Power Consumption  
 Eye-safe Laser Wavelength

**Applications:**

Laser Telemeter  
 Laser Surveying  
 Remote Sensing

Model Number		DPQLM-1535-C-0040-005N-03-30-000-A			
Optical Parameters		Photop Specs			Conditions
		Min	Typ	Max	
Wavelength		-	1535nm	-	
Pulse Energy		25μJ	40μJ	-	-40~+60 °C
Pulse Width		3ns	-	6ns	-40~+60 °C
Peak Power		-	8kW	-	-40~+60 °C
Pulse Repetition Frequency		-	1kHz	-	-40~+60 °C
Pulse Build-up Time		-	250μs	400μs	-40~+60 °C
Energy Stability		-	2%	5%	1000 pulses @ constant temp
Operating Temperature (Case)		-40°C	25°C	+60°C	
Beam Diameter		-	6mm		At output window, 1/e <sup>2</sup>
Beam Divergence		-	0.5mrad	0.7mrad	Full angle, 1/e <sup>2</sup>
M-Square		-	1.2	1.5	
<b>Electrical Parameters</b>					
LD Working Current		-	3000mA	-	Pulse peak current
LD Working Voltage		-	2V	-	
Power Consumption		-	1.5W	2.4W	1kHz
<b>Mechanical Parameters</b>					
Laser Head Dimensions	Length	-	-	60mm	
	Diameter	-	16mm		
Beam Alignment Tolerance	Position(Δr)	-	0.3mm	0.5mm	
	Angle	-	-	20mrad	
<b>Reliability</b>					
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)		5000hrs	-	-	Room temperature

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



PIN Configuration: 1. PD+ 2. COM\* 3. NA 4. LD-  
 Note: 1. COM\* : LD+ & PD- (conduction with case)  
 2. PD: Laser pulse detect