

DPQLM-1535-C-0040-005N-01-15-000-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-01-15-000-A			
Optical Parameters		Photop Specs			Conditions
		Min	Typ	Max	
Wavelength		-	1535nm	-	
Pulse Energy		50μJ	-	-	At 25 °C
Pulse Width		-	4ns	7ns	
Peak Power		10kW	-	-	
Pulse Repetition Frequency		-	10Hz	-	
Pulse Build-up Time		-	2.5ms	4ms	
Energy Stability		-	2%	5%	100 pulses @ constant temp
Operating Temperature (Case)		-	-	-40~+60 °C	
Beam Diameter		-	2.5mm		At output window, 1/e ²
Beam Divergence		-	1mrad	1.5mrad	Full angle, 1/e ²
M-Square		-	1.2	1.5	
Electrical Parameters					
LD Working Current		-	3000mA	-	Pulse peak current
LD Working Voltage		-	2V	-	
Power Consumption		-	0.15W	0.24W	10Hz
Mechanical Parameters					
Laser Head Dimensions	Length	-	-	50mm	
	Diameter	-	16mm		
Beam Alignment Tolerance	Position(Δr)	-	0.3mm	0.5mm	
	Angle	-	-	20mrad	
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 ² /Hz	-	3 axes, 1hr/axis
Expected Lifetime (MTTF)		5000hrs	-	-	Room temperature