

DPQLM-1535-C-0040-005N-03-20-000-B

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-03-20-000-B			
Optical Parameters	Photop Specs			Conditions
	Min	Typ	Max	
Wavelength	-	1535nm	-	
Pulse Energy	25μJ	40μJ	-	-30~+50 °C
Pulse Width	-	5ns	-	-30~+50 °C
Peak Power	-	8kW	-	-30~+50 °C
Pulse Repetition Frequency	-	1kHz	-	-30~+50 °C
Pulse Build-up Time	-	250μs	400μs	-30~+50 °C
Energy Stability	-	2%	5%	1000 pulses @ constant temp
Operating Temperature (Case)	-30 °C	25 °C	+50 °C	
Beam Diameter	-	6mm		At output window, 1/e ²
Beam Divergence	-	0.5mrad	1mrad	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	-	1.5W	2.4W	1kHz
Mechanical Parameters				
Laser Head Dimensions	Length	-	-	60mm
	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