



## DPQL-1535-C-0040-005N-02

### Key Features:

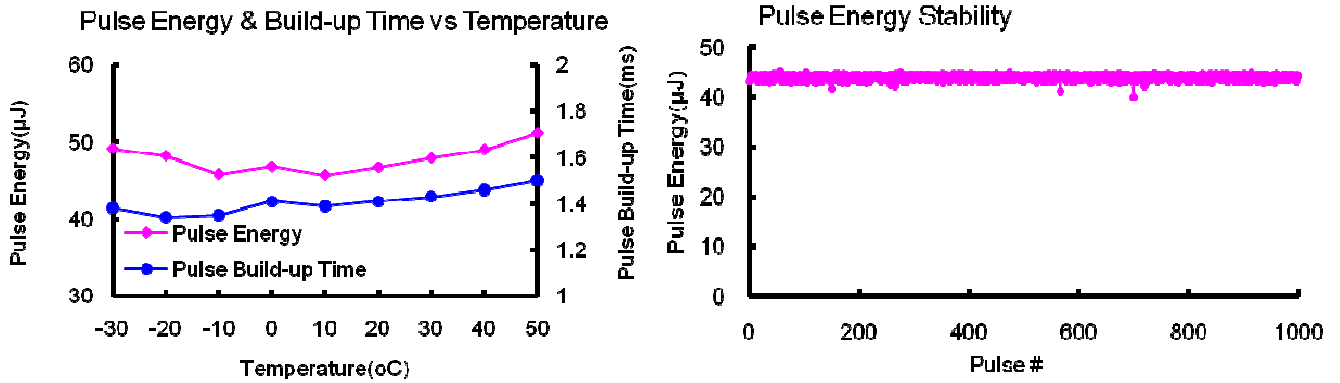
Mini Size  
 High Reliability  
 Internal Photodiode  
 Low Power Consumption  
 Eye-safe Laser Wavelength

### Applications:

Laser Telemeter  
 Laser Surveying  
 Remote Sensing

Model Number		DPQL-1535-C-0040-005N-02			
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		-	100Hz	-	-30~+50 °C
Pulse Build-up Time		-	1ms	2ms	-30~+50 °C
Energy Stability		-	2%	5%	100 pulses @ constant temp
Operating Temperature (Case)		-30 °C	25 °C	+50 °C	
Beam Diameter		-	0.25mm	0.27mm	At output window
Beam Divergence		-	12.5mrad	15mrad	Full angle, 1/e <sup>2</sup>
M-Square		-	1.2	1.3	
<b>Electrical Parameters</b>					
LD Working Current		-	3000mA	-	Pulse peak current
LD Working Voltage		-	2V	-	
Power Consumption		-	0.6W	1.2W	100Hz
<b>Mechanical Parameters</b>					
Laser Head Dimensions	Length	-	-	18.6mm	
	Diameter	-	12mm	12.02mm	
Beam Alignment Tolerance	Position(Δr)	-	0.2mm	0.3mm	
	Angle	-	-	20mrad	
Laser Weight		-	10.6g	-	
<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

## Typical Output Performance



## Dimensions and Pin Configuration (Unit: mm)

