



DPQL-1535-C-0040-005N-03

Key Features:

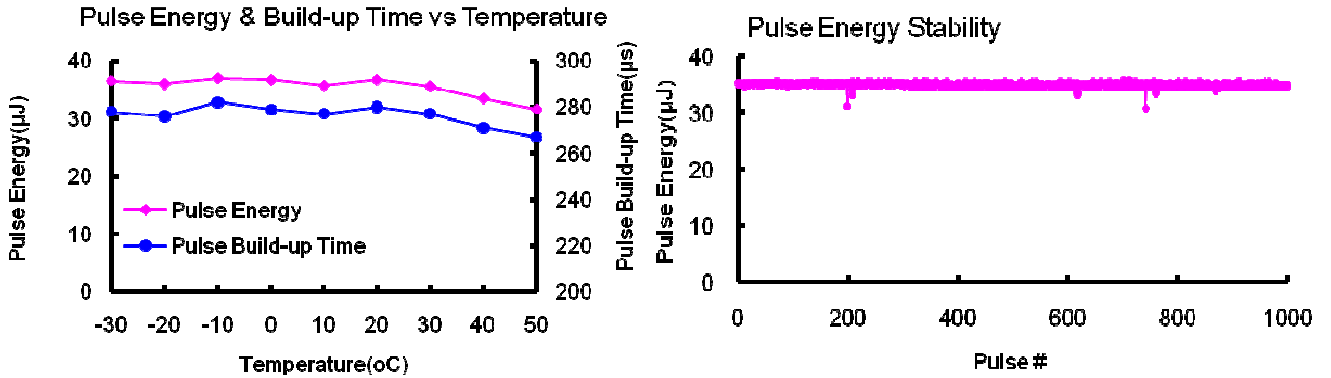
Mini Size
 High Reliability
 Internal Photodiode
 Low Power Consumption
 Eye-safe Laser Wavelength

Applications:

Laser Telemeter
 Laser Surveying
 Remote Sensing

Model Number		DPQL-1535-C-0040-005N-03			
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%	-	1000pulses @ constant temp
Operating Temperature (Case)		-30 °C	25 °C	+50 °C	
Beam Diameter		-	0.25mm	0.27mm	At output window
Beam Divergence		-	15mrad	18mrad	Full angle, 1/e ²
M-Square		-	1.2	1.5	
Electrical Parameters					
LD Working Current		-	3000mA	-	
LD Working Voltage		-	2V	-	
Power Consumption		-	1.5W	2.4W	1kHz
Mechanical Parameters					
Laser Head Dimensions	Length	-	-	18.6mm	
	Diameter	-	12mm	12.02	
Beam Alignment Tolerance	Position(Δr)	-	0.2mm	0.3mm	
	Angle	-	-	20mrad	
Laser Weight		-	10.6g	-	
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

Typical Output Performance



Dimensions and Pin Configuration (Unit: mm)

