



DPQL-1535

Key Features:

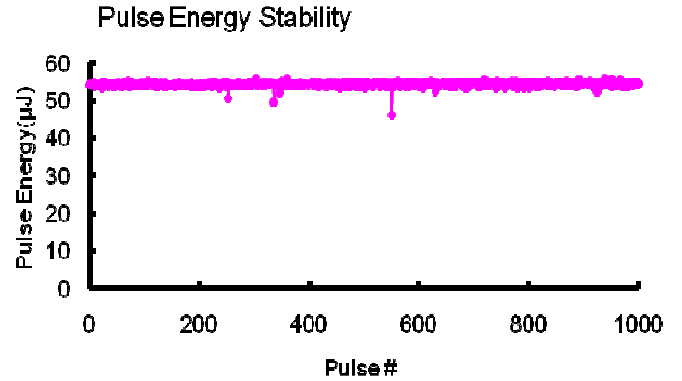
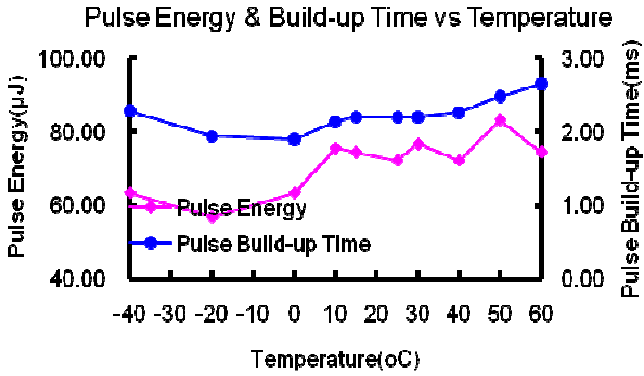
Mini Size
 High Reliability
 Internal Photodiode
 Low Power Consumption
 Eyesafe Laser Wavelength

Applications:

Laser Telemeter
 Laser Surveying
 Remote Sensing

Model Number		DPQL-1535				
Optical Parameters		Photop Specs			Conditions	
		Min	Typ	Max		
Wavelength		-	1535nm	-	At 25 °C	
Pulse Energy		50μJ	-	-		
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		-	0.25mm	0.27mm		At output window
Beam Divergence		-	12.5mrad	15mrad		Full angle, 1/e ²
M-Square		-	1.2	1.3		
Electrical Parameters						
LD Working Current		-	3000mA	-		
LD Working Voltage		-	2V	-		
Power Consumption		-	0.15W	0.24W	10Hz	
Mechanical Parameters						
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	-		
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)

