

# ***ROITHNER LASERTECHNIK***

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## **RLT-HPL905-50**



### **905 nm HIGH POWER PULSED LASER DIODE**

#### **Features**

High peak output power: >50W

InGaAsP/InP MQW Structure by MOCVD

#### **Maximum Ratings**

**Peak Reverse Voltage**  $V_{rm}$  2V

**Case Temperature:**

Operating -55°C to +65°C

Storage -55°C to +85°C

Soldering 5 seconds, +200°C

#### **Optical-Electrical Characteristics (Tc = 25°C)**

<b>Parameter</b>	<b>RLT-HPL905-50</b>	<b>Units</b>
Peak Forward Current (If), max.	50	A
Peak Output Power(Po)	50	W
Pulse Width (Tw), Max.	50	ns
Duty Factor (DF), Max.	0.05	%
Peak Forward Voltage (Vf), Typ.	48	V
Center Wavelength ( $\lambda_0$ )	904±5	nm
Beam Divergence FWHM ( $\theta_{//} \times \theta_{\perp}$ )	10 x 40	Degree
Source Size (WxH)	370 x 100	$\mu\text{m}$
Number of Laser Diode Elements / Assembly	2	pcs.
Package	Ø 9 mm TO can	