



## PLD904-4-MG

## Laser Diode Technical Data

### TEMPERATURE CHARACTERISTICS

#### Features

- MOCVD Pulsed Laser Diode
- Wavelength : 904 nm (Typ.)
- Peak Power : 4 W
- Threshold Current : 120 mA ( Typ. )
- Package Style : TO-18 (5.6 mmØ)
- Casing: Negative - Cathode

DESCRIPTION	SYMBOL	RATED VALUE
Operation Temperature (°C)	T <sub>op</sub>	-30 to +70
Storage Temperature (°C)	T <sub>stg</sub>	-60 to +85

### OPTICAL AND ELECTRICAL CHARACTERISTICS ( T<sub>c</sub>=25 °C ); Test condition: 50ns, 1kHz

DESCRIPTION	SYMBOL	MIN.	TYPICAL	MAX.
Lasing Wavelength (nm)	λ <sub>p</sub>	890	904	920
Emitting Area	A <sub>e</sub>	-	60 x 1µm	-
Peak Power (W)	P <sub>o</sub>	-	-	5
Threshold Current (mA)	I <sub>th</sub>	80	120	180
Peak Current (mA)	I <sub>op</sub>	-	-	4
Peak Voltage (V)	V <sub>op</sub>	-	-	6
Beam Divergence    (°)	θ <sub>  </sub>	-	10	-
Beam Divergence ⊥ (°)	θ <sub>⊥</sub>	-	30	-
Duty Factor (%)	D <sub>F</sub>	***	0.1	***

