



**PLD904-10-MG**

**Laser Diode Technical Data**

**TEMPERATURE CHARACTERISTICS**

**Features**

- MOCVD Pulsed Laser Diode
- Wavelength : 904 nm (Typ.)
- Peak Power : 10 W (Pulsed Min)
- Threshold Current : 400 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 +100
Storage Temperature (°C)	T <sub>stg</sub>	-60 to +100

**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>	-	150 x 1µm	-
Peak Power (W)	P <sub>o</sub>	10	11	12
Threshold Current (mA)	I <sub>th</sub>	450	600	700
Peak Current (A)	I <sub>op</sub>	-	-	10
Peak Voltage (V)	V <sub>op</sub>	-	-	7
Beam Divergence    (°)	θ	8	10	11
Beam Divergence ⊥ (°)	θ⊥	30	40	50
Duty Factor (%)	D <sub>F</sub>	***	0.1	***

