

LASER DIODES 1.6÷3.6 μm

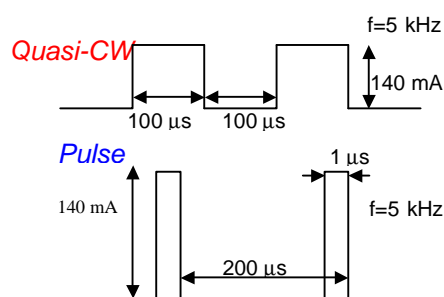
Model LD310m-LA 3.090÷3.190 nm

- LD310m-LA is a laser for the spectral range 3.090 - 3.190μm based on InAsSbP/InAsSb/InAsSbP DHS laser diodes with optical waveguides.
- Laser Diode LD310m-LA can operate at cryogenic temperature (77 K) and up to 100 K in both quasi-CW and pulsed regimes.
- In LD310m-LA laser diode is mounted on Laser Analytic (LA) type carrier. User should provide placing of this laser in cooling system.



Characteristics	Symbol	LD310m-LA	Unit
Laser diode parameters		#V1163-5	
Optical output power (quasi-CW regime)	P_{qCW}	0.8	mW
Optical output power (pulsed regime)	P_{peak}	16	mW
Threshold current	I_{TH}	35	mA
Beam divergence (FWHM)	$\Theta_{II} \times \Theta_{\perp}$	30 x 50	deg
Spectral width	$\Delta\lambda$	< 60	MHz
Mode structure	-	MM	-
Package	-	LA	-
Maximum ratings			
Laser drive current (quasi-CW)	I_{LDmax}	<220	mA
Operating temperature range	T_{op}	30÷110	K

Recommended regimes of operation



Laser Chip

