

1310nm MQW-FP Laser Diode Module

Features

- MQW Active Region FP Laser Diode
- Signal Rate up to 155Mb/s
- Low Threshold Current; High Output Power
- Coaxial Pigtail Package
- Isolator (Optional)

Electrical and optical characteristics (Tc=25 , unless otherwise noted.)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Threshold current	I_{th}	CW	-	10	15	mA
		CW, Tc=85	-	-	40	mA
Optical output power	P_f	CW, If=Iop	0.8	1.0	1.5	mW
			1.5	2.0	2.5	
			3.5	4.0	4.5	
Operating current	Iop	CW, Pf=1.0/2.0/4.0mW	25	-	40	mA
Operating voltage	V_f	CW	-	1.1	1.5	V
Peak wavelength	λ_p	CW, If=Iop	1290	-	1330	nm
Isolation	Iso	Tc=25	-30	-	-	dB
Spectral Width		CW, If=Iop,FWHM	-	-	7.0	nm
Tracking error	E_r	Im hold (@Pf=1mW/2mW/4mW(25)), Tc=-40 ~ +85 , APC	-1.5	-	1.5	dB
Rise and Fall time	t_r, t_f	Ib=Ith, 10 ~ 90%	-	0.5	-	ns.
Monitor current	I_m	CW , If=Iop , VRD=5V	100	-	-	μA
Capacitance (PD)	Ct	Vrd=5V, f=1MHz	-	10	20	pF
Dark current (PD)	I_d	Vrd=5V	-	0.01	0.1	μA

Ordering Information

