

CWDM Laser Diode Module

Features

Wavelength range: 1470nm-1610nm
 High Output Power
 Coaxial Pigtail Package
 Isolator (Optional)

Applications

2.5 Gb/s long haul coarse WDM
 Hybrid Fiber Coax (HFC) networks
 Video surveillance

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 _r	CW, I _f =I _{op} ,	0.8	1.0	1.5	mW
		CW, I _f =I _{op} ,	1.5	2.0	2.5	
Operating current	I _{op}	CW, P _f =1.0/2.0/4.0mW	25	-	40	mA
Operating voltage	V _f	CW	-	1.1	1.5	V
Peak wavelength	λ	CW, I _f =I _{op}	λ ±3			nm
Isolation	I _{so}	Tc=25	-30	-	-	dB
Side-mode suppression ratio	SMSR	CW, I _f =I _{op}	30	-	-	dB
Spectral Width		CW, I _f =I _{op}	-	-	1.0	nm
Tracking error	E _r	I _m hold (@P _f =1mW/2mW/4mW(25)), Tc=-40 ~ +85 , APC	-1.5	-	1.5	dB
Rise and Fall time	t _r , t _f	I _b =I _{th} , 10 ~ 90%	-	0.5	-	ns.
Monitor current	I _m	CW , I _f =I _{op} , V _{RD} =5V	100	-	1000	μ A
Capacitance (PD)	C _t	V _{rd} =5V, f=1MHz	-	10	20	pF
Dark current (PD)	I _d	V _{rd} =5V	-	0.01	0.1	μ A

Ordering Information

