

## Photonics



### 2.5 Gbps Direct Modulation DFB Laser

#### FEATURES

- \* 14pin butterfly package with thermo-electric cooler
- \* 1530 - 1565 nm (C-band), 1565 - 1610 nm (L-band)
- \* DWDM product lineup

#### APPLICATIONS

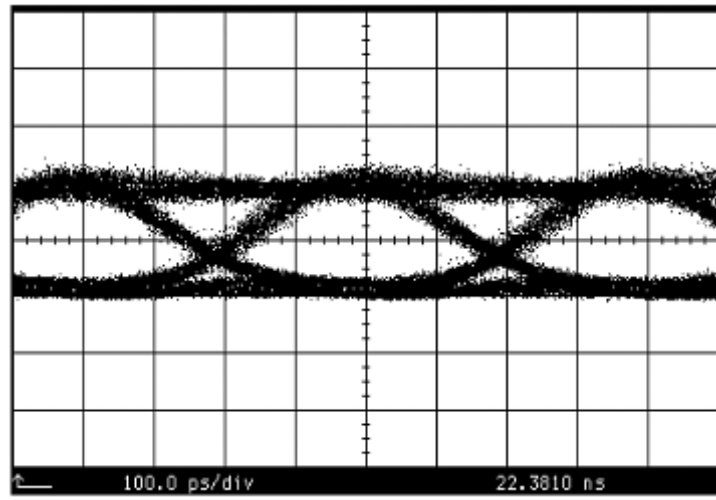
- \* 300 pin MSA for SONET OC-48 / SDH STM-16 DWDM

#### MODEL NUMBER

Wavelength Range	2.5 Gbps 14 pin BF
C-band	NLK5C0GCAA
L-band	NLK5L0GCAA

#### OUTLINE SPECIFICATIONS

Item	Symbol	Min.	Typ.	Max.	Unit
Operating Case Temperature	Tcase	-5		70	deg.C
LD Substrate Temperature	Tsub		25		deg.C
Forward Voltage	VF		1.2	1.6	V
Threshold Current	ITH		10	25	mA
Operating Current	Iop			80	mA
Fiber Output Power	Pf	10			mW
Rise Time	tr		40	50	ps
Fall Time	tf		125	150	ps
Extinction Ratio	ER	8.2			dB



BER Performance

