

• FEATURES

Addressable
Single Mode at 830nm
Monitor Photodiode Inside
Pitch 150μm

APPLICATION

Laser Beam Printer

■ ABSOLUTE MAXIMUM RATINGS

Characteristics	Symbols	Ratings	Units
Reverse Voltage for LDs	Vr	1.5	V
Reverse Voltage for Monitor PD	Vr	2.0	V
Radiant Output Power	Po	15	mW
Operating Temperature	Top	-10 to +50	°C
Storage Temperature	Tstg	-20 to +80	°C

■ CHARACTERISTICS for One Beam (Ta=25°C)

Characteristics	Symbols	Test Conditions	Min.	Typ.	Max.	Units
Threshold Current	Ith			30	50	mA
Operating Current	Iop	10mW		50	80	mA
Operating Voltage	Vop	10mW		1.8	2.3	V
Peak Emission Wavelength	λp	10mW	810	830	850	nm
Beam Spread Angle	Parallel	10mW	5	8	12	deg
	Vertical	10mW	18	24	32	deg
Thermal Cross Talk	Ploss		10			%
Monitor Current	Im		20	40	100	μA

■ PACKAGE DIMENSIONS (unit : mm) TO-5

* PIN CONNECTION

1)Cathode	4)Monitor PD
2)LD1	5)LD3
3)LD2	6)LD4