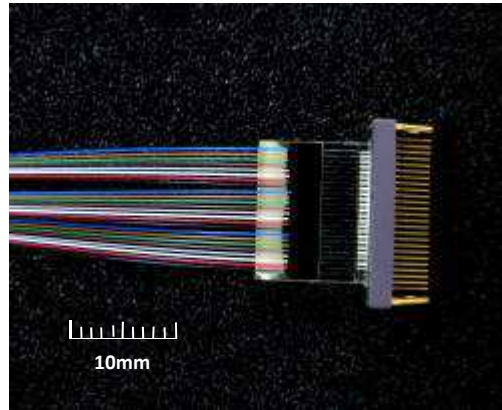


Features

- Optical monitor for 24 channels
- Hermetic seal
- Compact package design
- Ribbon fiber with lens array
- Adjacent crosstalk < -45dB
- Total crosstalk < -40dB
- Low dark current



Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Note
Reverse voltage	V_R	20	V	
Maximum optical power input	P_{imax}	10	mW	
Forward current	I_F	10	mA	
Operating temperature	T_{opr}	-40 to +85	°C	Avoid dew condensation
Storage temperature	T_{stg}	-40 to +85	°C	Avoid dew condensation

Electrical and Optical Characteristics ($V_R=5V$, $T_a=25^\circ C$ unless otherwise noted)

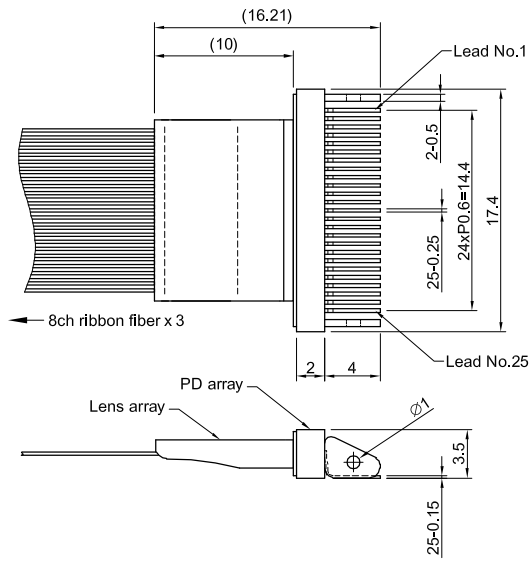
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Bandwidth	BW	-	1.2	-	GHz	$P_i=-10dBm$, Small signal modulation
Responsivity	R	0.8	-	-	A/W	$\lambda=1310nm$
		0.85	-	-		$\lambda=1550nm$
Adjacent crosstalk	X	-	-	-45	dB	
Dark current	I_D	-	80	-	pA	
Chip capacitance	C_{chip}	-	0.6	0.8	pF	$f=1MHz$
Optical reflection	ORL	40	-	-	dB	$\lambda=1550nm$
Polarization dependent loss	PDL	-	-	0.1	dB	

Optical Fiber Specification

Parameter	Value	Unit	Note
Mode field diameter	8.6 ± 0.4	μm	$\lambda=1310nm$
Clad diameter	125 ± 0.5	μm	
Fiber diameter	250 ± 15	μm	
Fiber length	1	m	
Minimum bending radius	15	mm	

Mechanical Drawing

Unit: mm

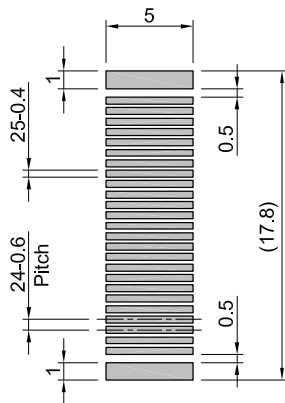


Pin Assignment

Lead No.	Connection
1	Common Cathode
2	ch.1 Anode
3	ch.2 Anode
4	ch.3 Anode
5	ch.4 Anode
6	ch.5 Anode
7	ch.6 Anode
8	ch.7 Anode
9	ch.8 Anode
10	ch.9 Anode
11	ch.10 Anode
12	ch.11 Anode
13	ch.12 Anode

Lead No.	Connection
14	ch.13 Anode
15	ch.14 Anode
16	ch.15 Anode
17	ch.16 Anode
18	ch.17 Anode
19	ch.18 Anode
20	ch.19 Anode
21	ch.20 Anode
22	ch.21 Anode
23	ch.22 Anode
24	ch.23 Anode
25	ch.24 Anode

Recommended Land Pattern



- Specifications , characteristics, data, materials, structures specified in this datasheet are subject to change without notice. Please refer to the latest specification before use of the products.
- Products listed in this datasheet comply with the RoHS Directive (EU2002/95/EC).

Opto-technologies for the Future



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