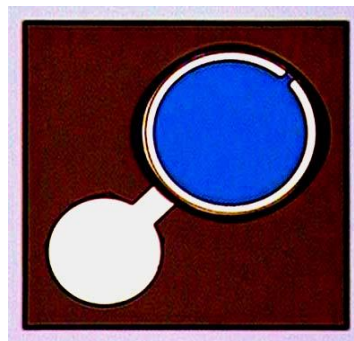


Features

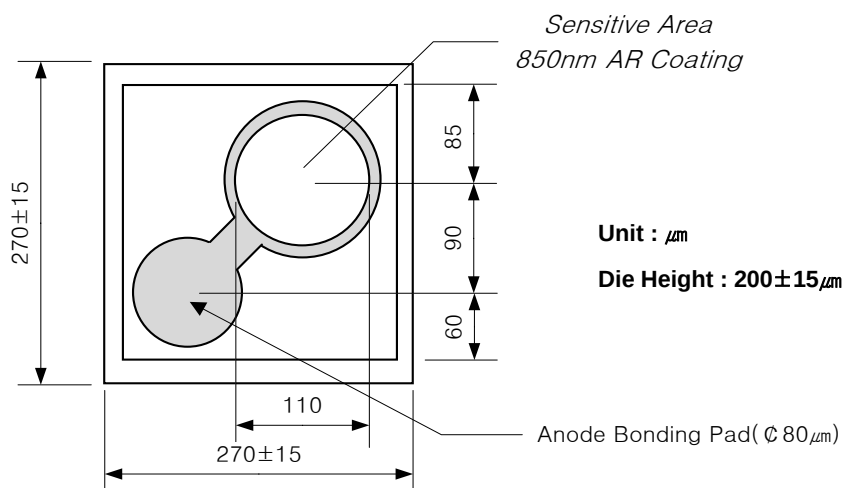
- : AR coated for 850nm
- : Low dark current and low capacitance
- : Data rate 1.25 / 2.5Gbps
- : High reliability
- : Other configurations available on request

Description

Applications

- : High speed Data Communications
- : Gigabit Ethernet
- : Fiber Channel

Absolute Maximum Ratings

Parameter	Rating
Forward Current	10mA
Reverse Voltage	40V
Operating Temperature	-40 to 85 °C
Storage Temperature	-40 to 100 °C

Dimensions


**Electro-Optics Characteristics ($T_a=25^{\circ}\text{C}$ unless otherwise stated)**

Parameters	Symbol	Specified			Unit	Test Conditions
		Min.	Typ.	Max.		
Sensitive Area	D		110		μm	In diameter
Responsivity	R	0.5	0.6		A/W	$V_R = 5.0\text{V}$, $\lambda = 850\text{nm}$
Dark Current	I_D		0.1	1.0	nA	$V_R = 5.0\text{V}$
Breakdown Voltage	V_B	40			V	$I_R = 1\ \mu\text{A}$
Capacitance	C		0.8	1.0	pF	$V_R = 5.0\text{V}$, $f=1\text{MHz}$
Peak Wavelength	λ		850		nm	-
Rise and Fall times	t_r / t_f		100/100		ps	$V_R = 5\text{V}$, 20% ~80%
Bandwidth	$f_{-3\text{dB}}$		2		GHz	$V_R = 5\text{V}$

Notes

1. Specific active area, pad size and shapes can be provided on customer's request.

**NOTICE**

The inherent design of this component causes it to be sensitive to electrostatic discharge(ESD). To prevent ESD-induced damage and/or degradation to equipment, take normal ESD precautions when handling this product