



变更履历表

版本	变更前内容	变更后内容	编制	审核	变更日期
01	初版	--	陈雪梅	曾延华	2022.02.18
02					



ROSA-LC APD200

Features:

- -40°C to 105°C Operation.
- High responsivity
- Operating wavelength:1550nm;
- LC Receptacle

Applications:

- High speed Telecom and Datacom.

Specifications:

Absolute Maximum Ratings:

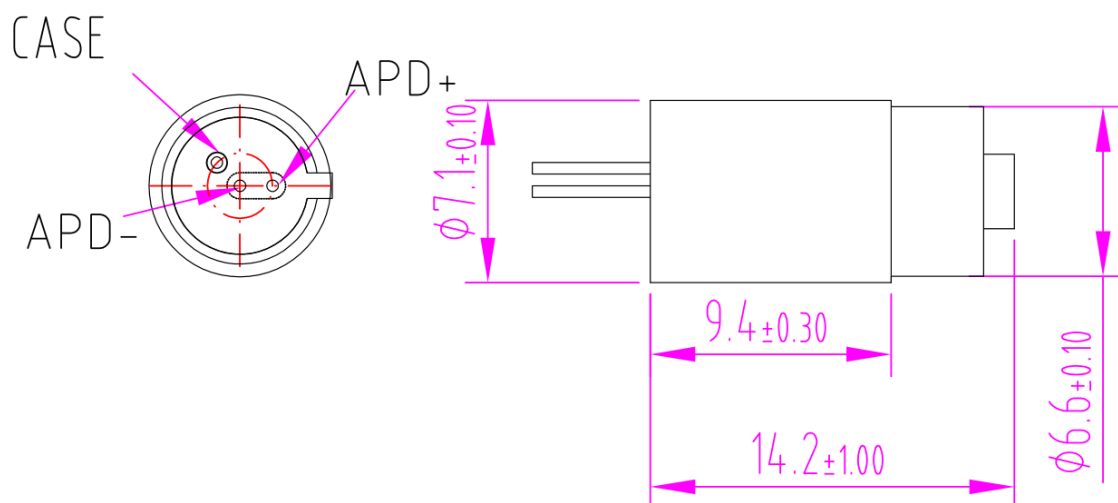
Parameter	Symbol	Min	Max.	Unit
APD Reverse Current	$I_{r(APD)}$	--	3	mA
APD Reverse Voltage	$V_{r(APD)}$	--	Vbr	V
Operating Temperature	Top	-40	105	°C
Storage Temperature	Tstg	-45	125	°C
Lead Solder Temperature	--	--	260	°C
Lead Soldering Time	--	--	10	s

Transmitter Optical& Electrical Characteristics (T=25°C)

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Operating Wavelength	λ_c	--		1550		nm
Breakdown Voltage	Vbr	IR = 1mA @ 25°C	35	--	60	V
APD Operating Voltage	Vapd	Best sensitivity	--	Vbr-1	--	V
APD Dark Current	Id	Vop=Vbr-1	--	--	30	nA
Capacitance	C_j	Vop=Vbr-1, f=1MHz	--	1.8	2	pF
Temperature Dependency of VBR	r	$\Delta VBR / \Delta T, TC = -40^\circ C \sim 20^\circ C$	0.1	0.12	0.15	V/°C
		$\Delta VBR / \Delta T, TC = 20^\circ C \sim 85^\circ C$	0.05	0.08	0.12	V/°C
Responsivity	Res	M=20, $\lambda = 1535nm, 1\mu W$	30	--	--	A/W



Outline Diagram and Pin Assignment:



Order Information:

ROSA-LC APD200

Statement:

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