

**YSRA348C-LC**

**1310nm LC 10G APD-TIA ROSA**

**Feature:**

- ◆ InGaAs APD+TIA
- ◆ Differential Output
- ◆ +3.3V Operation Voltage
- ◆ LC 10G SM Package

**Application:**

- Fiber Optic Communication



**Specification:**

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Operating Wavelength	$\lambda$	-	1260	-	1620	nm
Sensitivity	Sens	BER=10 <sup>-10</sup> , PRBS=2 <sup>31</sup> -1@10G, ER=9dB, Vop=Vbr*0.9	-	-	-27	dBm
Saturation Power	P		-7	-	-	dBm
Breakdown Voltage	Vbr	Id=10uA	20	-	40	V
Bandwidth	BW	-	-	10	-	GHz
Responsivity	R	$\lambda = 1310\text{nm}$	0.75	-	-	A/W
Optical Return Loss	ORL	$\lambda = 1310\text{nm}$ and 1550nm	12	-	-	dB
Power Supply	Vcc	-	3.0	3.3	3.6	V
Operating Current	Icc	-	-	-	40	mA
Output Resistance	Rout	-	40	50	60	$\Omega$
Dark Current	Id	-	-	-	100	nA

**Absolute Maximum Ratings:**

Parameter	Symbol	Value	Unit
Power Supply	Vcc	3.6	V
Operating Temperature	T <sub>OP</sub>	-40 ~ +85	°C
Storage Temperature	T <sub>ST</sub>	-40 ~ +85	°C
Lead Soldering Temperature/Duration	-	260/10	°C/S

产品型号: YSRA343C-LC

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**Outline Dimensions & PIN Assignment:**

