

YSRA843C-LC

LC 10G 850nm ROSA

Features:

- ◆ Data rates up to 10Gb/s
- ◆ GaAs PIN+TIA
- ◆ Differential output
- ◆ Low voltage power supply: 3.3V
- ◆ LC multimode plug Package

Application:

- Optical communication system
- Instruments and Apparatuses

General Requirement	Plastic package, inclined window cap
	Compliant with RoHS

Specification:

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Operating Wavelength	λ	-	770	-	860	nm
Supply Voltage	Vcc	-	3.0	3.3	3.6	V
Supply Curren	Icc	-	-	28	-	mA
Responsivity	R	$\lambda = 850\text{nm}$	-	0.40	-	A/W
Bandwidth	BW	50Ohm load, -3dB, Ubias=-5V	-	10	-	GHz
Sensitivity	Sens	ER = 4.5-5.0dB, BER = 10^{-12} , PRBS $2^{31}-1$	-	-	-13.0	dBm
Saturation Power	P		0	-	-	dBm
Differential resistance	Ro	-	40	50	60	Ω
Dark Curren	Id	-	-	-	100	nA

Absolute Maximum Ratings:

Parameter	Symbol	Rating	Unit
Supply Voltage	V _{CC}	3.6	V
Operating Temperature	T _{OP}	-40 ~ +85	°C
Storage Temperature	T _{ST}	-40 ~ +85	°C
Lead solder temperature	-	260/10	°C/S
ESD (HBM)	-	1A 级, <500	V

Dimensions:

