



YETDA INDUSTRY LTD.

**PHOTODIODE  
RT5-306SBS**

**Absolute Maximum Ratings (Ta = 25°C) :**

Characteristic	Symbol	Rating	Unit
Maximum Reverse voltage	VRM	50	V
Operating temperature	Topr	-40 TO +80	°C
Storage temperature	Tstg	-40 TO +100	°C
Maximum Power dissipation	Pd	200	mW
Lead Soldering Temperature (5mm from body) 260°C for 3sec.			

**Electro-Optical Characteristics (Ta = 25°C)**

Characteristic	Condition	Symbol	Min.	Typ.	Max.	Unit
Reverse breakdown voltage	IR=100uA,Ev=0	BVR	30			V
Reverse dark current	VR=10V,Ev=0	ID		1.6	2.0	nA
Reverse light current	VR=5V,Ev=1000LUX	IL	43	80		uA
Open circuit voltage	Ic=300uA,Ev=1000LUX	Voc		350		mV
Short circuit current	Ev=1000LUX	Isc		75		uA
Junction capacitance	VR=0V,EC=0, f=1MHz	Cj		25		pF
Radiant sensitivity area		A		8		
Rise / Fall time	$\lambda = 940\text{nm}$	VR=10V,Ic=1mA, RL=1000 $\Omega$	tr/tf	1000/1000		ns
	$\lambda = 880\text{nm}$			200/200		
Viewing angle	IF=50mA	$2\theta$ 1/2		140		deg.

**Package**

