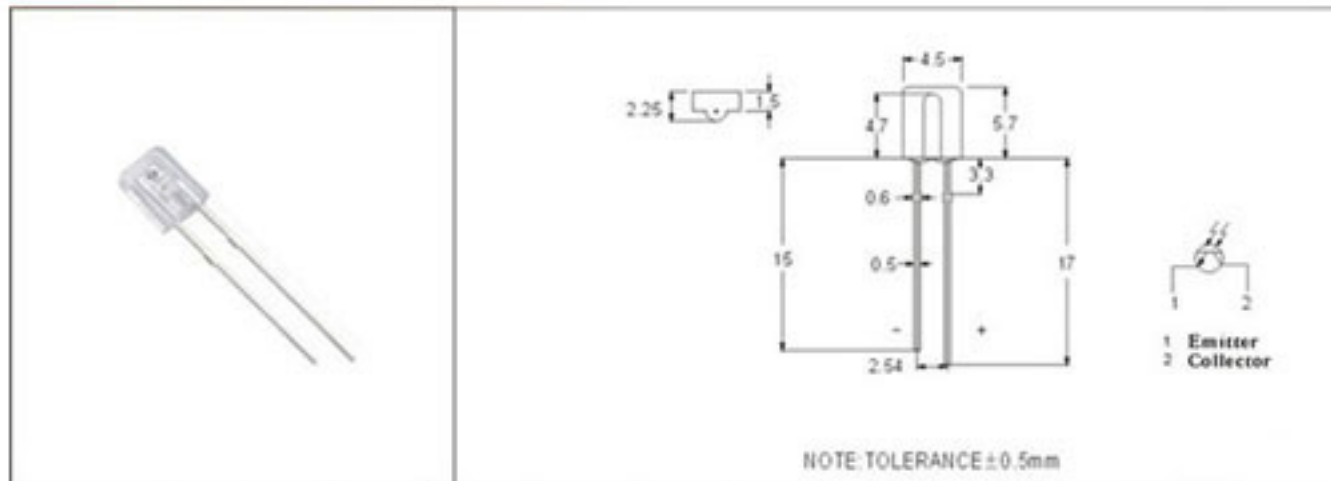




Part Number	Lens color	Reverse Dark Current	C-E Saturation Voltage	Light Current	Rise Time 10% to 90%	Fall Time 90% to 10%	Wavelength of Peak Sensitivity	Range of Spectral Bandwidth	Collector-Emitter Down Current	Emitter-Collector Down Current	Collector Current	C-power Dissipation
		$V_R=10\text{V}$ $I_C=0\text{mA}$ $E_e=10\text{mW/cm}^2$	$I_C=0.5\text{mA}$ $E_e=10\text{mW/cm}^2$	$V_{CE}=5\text{V}$ $I_C=1\text{mA}$	$V_{CE}=5\text{V}$ $I_C=1\text{mA}$	$R_L=100\Omega$ hms						
		Max.	Max.	Max. Min.	Typ.	Typ.	Typ.					
JY301	W.C.	100nA	0.8V	200 μA 1400 μA	10uS	10uS	940nm	840-1200nm	30V	5V	20mA	100mW

Typical Optical-Electrical Characteristic Curves

Fig.1 Collector Power Dissipation vs. Ambient Temperature

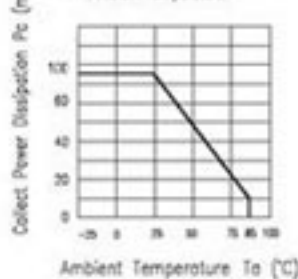


Fig.2 Collector Dark Current vs. Ambient Temperature

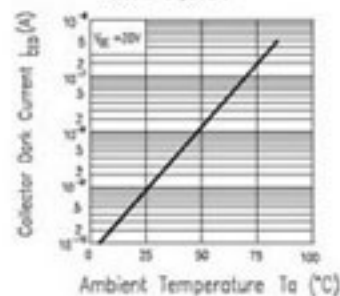


Fig.3 Relative Collector Current vs. Ambient Temperature

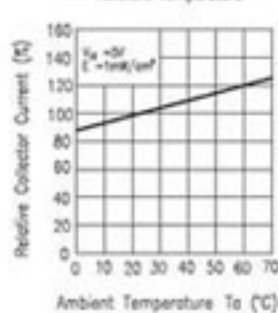


Fig.4 Collector Current vs. Irradiance

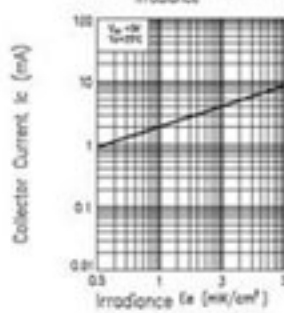


Fig.5 Spectral Sensitivity

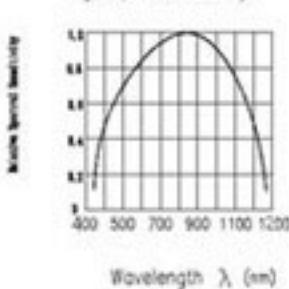


Fig.6 Collector Current vs. Collector-Emitter Voltage

