
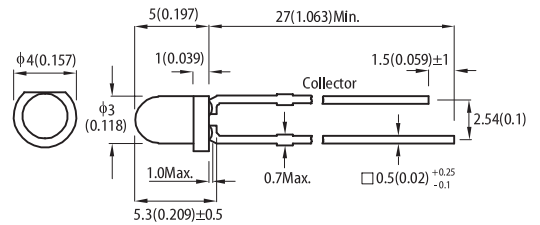


## PHOTOTRANSISTOR

Part Number	Lens Type	Dimensions
L-3DP3BT	blue transparent	T-1 (3mm) Phototransistor  L-3D
L-7113P3C	water clear	

### Electrical And Radiant Characteristics TA =25°C

Parameter	Symbol	Part Number	Min.	Typ.	Max.	Unit	Test Condition
Collector-to-Emitter Breakdown Voltage	$V_{BR\ CE0}$	-	30	-	-	V	$I_C=100\mu A$ $E_e=0mW/cm^2$
Emitter-to-Collector Breakdown Voltage	$V_{BR\ EC0}$	-	5	-	-	V	$I_E=100\mu A$ $E_e=0mW/cm^2$
Collector-to-Emitter Saturation Voltage	$V_{CE(SAT)}$	-	-	-	0.8	V	$I_C=2mA$ $E_e=20mW/cm^2$
Collector Dark Current	$I_{CE0}$	-	-	-	100	nA	$V_{CE}=10V$ $E_e=0mW/cm^2$
Rise Time (10% to 90%)	$T_R$	-	-	15	-	$\mu s$	$V_{CE}=5V$ $I_C=1mA$ $R_L=1K\Omega$
Fall Time (90% to 10%)	$T_F$	-	-	15	-	$\mu s$	
On State Collector Current	$I_{(ON)}$	L-3DP3BT	0.1	0.2	-	mA	$V_{CE}=5V$ $E_e=1mW/cm^2$ $\lambda=940nm$
		L-7113P3C	0.5	2.5	-		



Units : mm(inch)  
Tolerance : ±0.25(0.01)

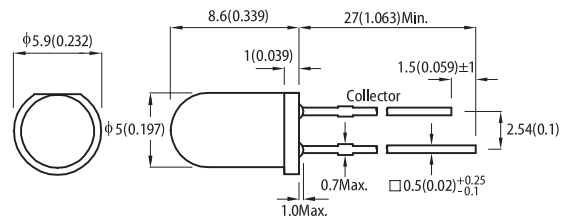
T-1 3/4 (5mm) Phototransistor



L-7113

### Absolute Maximum Rating TA =25°C

Parameter	Maximum Ratings
Collector-to-Emitter Voltage	30V
Emitter-to-Collector Voltage	5V
Power Dissipation at (or below) 25°C Free Air Temperature	100mW
Operating Temperature Range	-40°C ~ +85°C
Storage Temperature Range	-40°C ~ +85°C
Lead Soldering Temperature (>5mm For 5sec)	260°C



Units : mm(inch)  
Tolerance : ±0.25(0.01)