
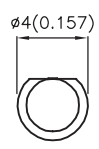
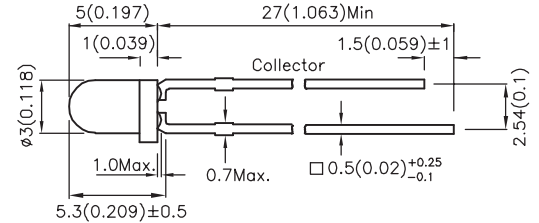

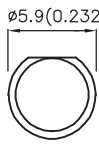
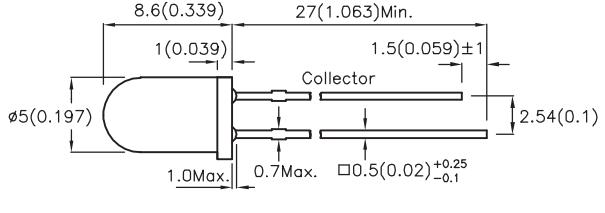

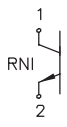
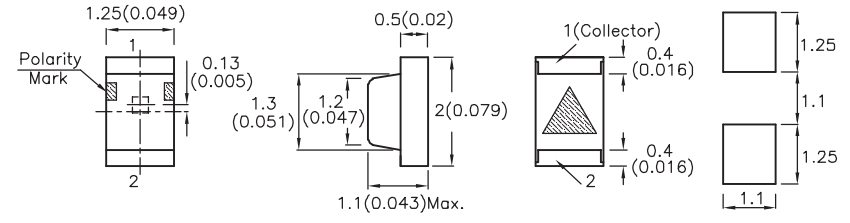
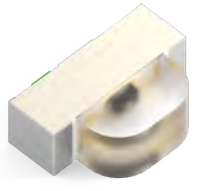

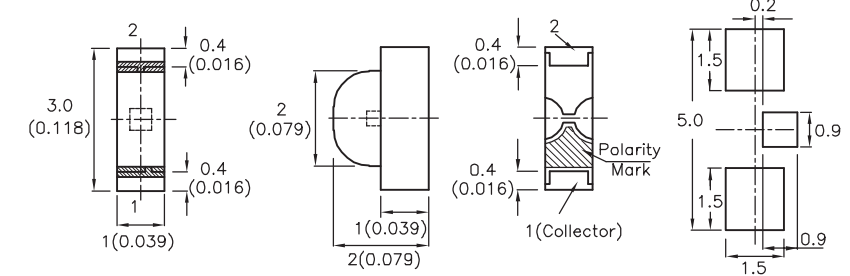
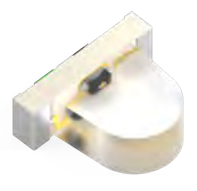

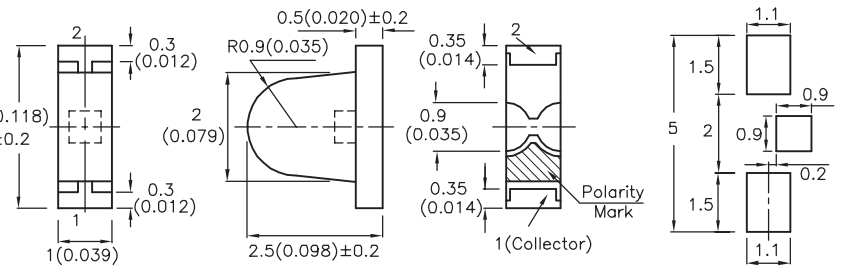
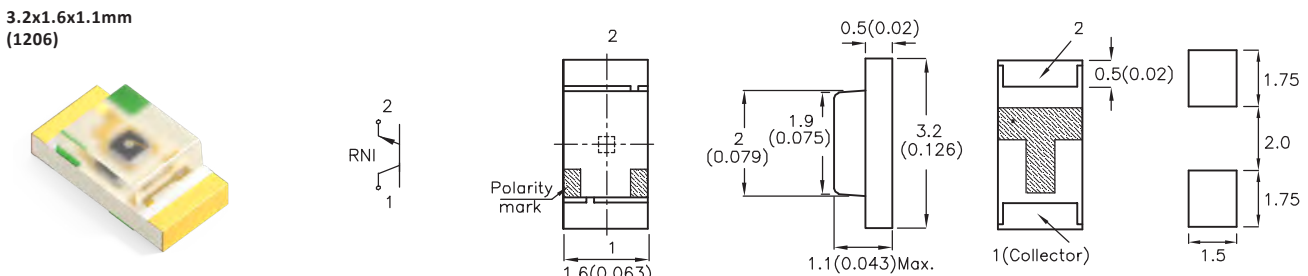


Part Number	Lens	Description
<p>3mm</p>   	Water Clear	3mm
<p>5mm</p>   	Water Clear	5mm
<p>2.0x1.25x1.1mm (0805)</p>    <p>Dimension Unit: mm(inches), Tolerance : ±0.1(0.004")</p> <p>Recommended Soldering Pattern</p>	Water Clear	2.0x1.25x1.1mm
<p>3.0x2.0x1.0mm (Right Angle)</p>    <p>Dimension Unit: mm(inches), Tolerance : ±0.15(0.006")</p> <p>Recommended Soldering Pattern</p>	Water Clear Blue transparent	3.0x2.0x1.0mm 3.0x2.0x1.0mm
<p>3.0x2.5x1.0mm (Right Angle)</p>    <p>Dimension Unit: mm(inches), Tolerance : ±0.15(0.006")</p> <p>Recommended Soldering Pattern</p>	Water Clear	3.0x2.5x1.0mm

1. Dimension Unit: mm(inches), Tolerance: ±0.25mm (0.01"). Soldering Pattern Tolerance : ±0.1mm.
 2. We reserve the right to make changes at any time to enhance the design and / or performance of the product.

Part Number	Lens	Description
3.2x1.6x1.1mm (1206)		
 <p>Dimension Unit: mm(inches), Tolerance : ±0.2(0.008")</p> <p style="text-align: right;">Recommended Soldering Pattern</p>		
XZRNI55W	Water Clear	3.2x1.6x1.1mm

Electrical & Radiant Characteristics Ta =25°C

Symbol	Parameter	Part Number	Min.	Typ.	Max.	Unit	Test Condition
I _(ON)	On State Collector Current	XRNI30W-1	0.3	0.8	-	mA	V _{CE} =5V, Ee=1mW/cm ² λ=940nm
		XRNI12W	0.5	2.5			
		XZRNI54W	0.2	0.4			
		XZRNI56W	0.2	0.4			
		XZRNI56BF	0.1	0.3			
		XZRNI56W-1	0.2	0.5			
		XZRNI55W	0.2	0.4			
V _{BR(CEO)}	Collector-to-Emitter Breakdown Voltage	-	30	-	-	V	I _C =100μA Ee=0mW/cm ²
V _{BR(ECO)}	Emitter-to-Collector Breakdown Voltage	-	5	-	-	V	I _E =100μA Ee=0mW/cm ²
V _{CE(SAT)}	Collector-to-Emitter Saturation Voltage	-	-	-	0.8	V	I _C =2mA Ee=20mW/cm ²
I _{CEO}	Collector Dark Current	-	-	-	100	nA	V _{CE} =10V Ee=0mW/cm ²
T _R	Rise Time (10% to 90%)	-	-	15	-	μs	V _{CE} =5V I _C =1mA R _L =1KΩ
T _F	Fall Time (90% to 10%)	-	-	15	-	μs	V _{CE} =5V I _C =1mA R _L =1KΩ

Absolute Maximum Rating Ta =25°C

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

1. Soldering Pattern Dimension Unit : mm , Tolerance : ±0.1mm.
 2. We reserve the right to make changes at any time to enhance the design and / or performance of the product.