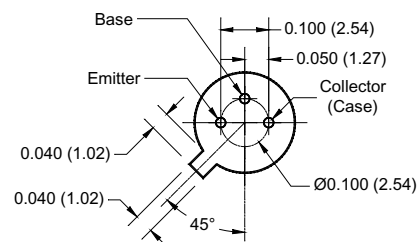
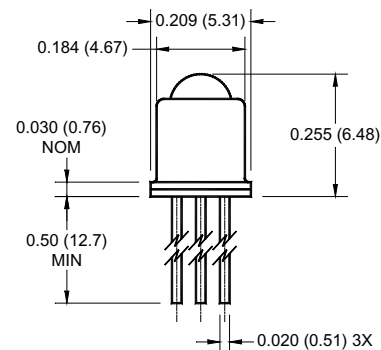
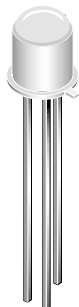


# Hermetic Silicon Photosensors

## TO-18 Detector Package (Convex Lens)



Part Number	V <sub>CE</sub> (V)	Test Conditions		I <sub>C</sub> (ON) (mA)		BV <sub>CEO</sub> (V) max	I <sub>CEO</sub> @ 10 V V <sub>CE</sub> (nA) max	Sensor Type
		E <sub>o</sub> (mW/cm <sup>2</sup> )	λ <sub>p</sub> (nm)	min	max			
BPW36	5	0.5	940 GaAs	1.00	-	30	100	Phototransistor
BPW37	5	0.5	940 GaAs	0.50	-	30	100	Phototransistor
L14G1	5	0.5	940 GaAs	1.00	-	30	100	Phototransistor
L14G2	5	0.5	940 GaAs	0.50	-	30	100	Phototransistor
L14G3	5	0.5	940 GaAs	2.00	-	30	100	Phototransistor
L14P1	5	0.5	940 GaAs	6.50	-	30	100	Phototransistor
L14P2	5	0.5	940 GaAs	13.0	-	30	100	Phototransistor

Part Number	V <sub>CE</sub> (V)	Test Conditions		I <sub>C</sub> (ON) (mA)		BV <sub>CEO</sub> (V) max	I <sub>CEO</sub> @ 12 V V <sub>CE</sub> (nA) max	Sensor Type
		E <sub>o</sub> (mW/cm <sup>2</sup> )	λ <sub>p</sub> (nm)	min	max			
BPW38	5	0.05	940 GaAs	3.00	-	25	100	Photodarlington
L14F1	5	0.05	940 GaAs	3.00	-	25	100	Photodarlington
L14F2	5	0.05	940 GaAs	1.00	-	25	100	Photodarlington

All dimensions are in inches (millimeters)

PARAMETER	BPW38, L14F	L14G/P, BPW36/7
	<b>Absolute Maximum Ratings</b>	
<b>Temperature</b>		
T <sub>OPR</sub>	-65 to +125°C	-65 to +125°C
T <sub>STG</sub>	-65 to +150°C	-65 to +150°C
T <sub>SOL-H</sub>	240°C for 5 sec	240°C for 5 sec
T <sub>SOL-F</sub>	260°C for 10 sec	260°C for 10 sec
<b>Sensor</b>		
V <sub>CEO</sub>	25 V	30 V
V <sub>CBO</sub>	25 V	40 V
V <sub>EBO</sub>	12.0 V	5.0 V
P <sub>D</sub>	300 mW	300 mW