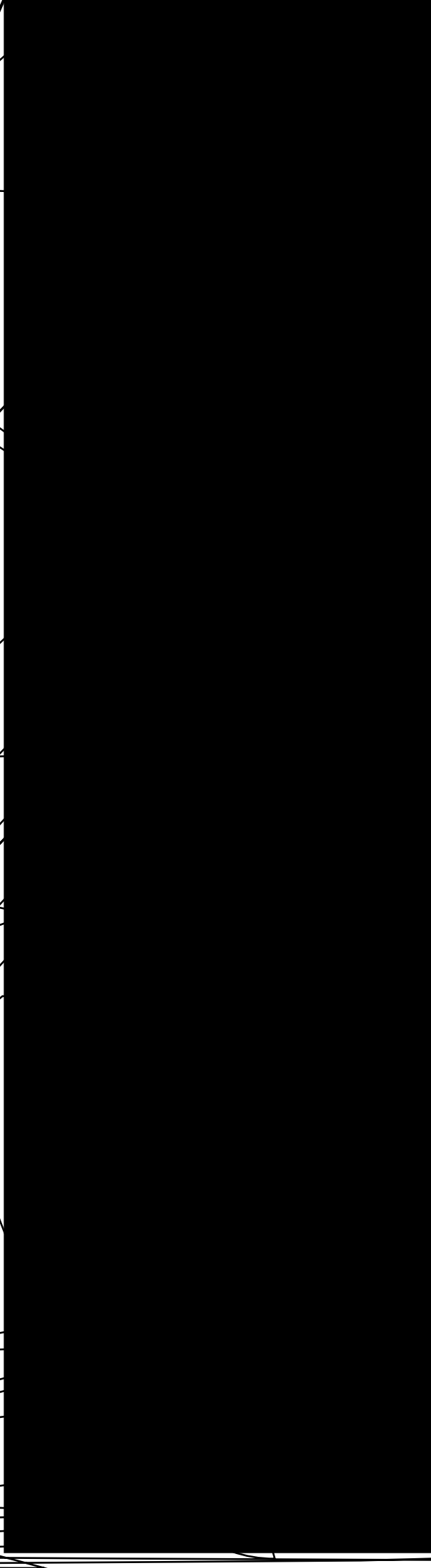
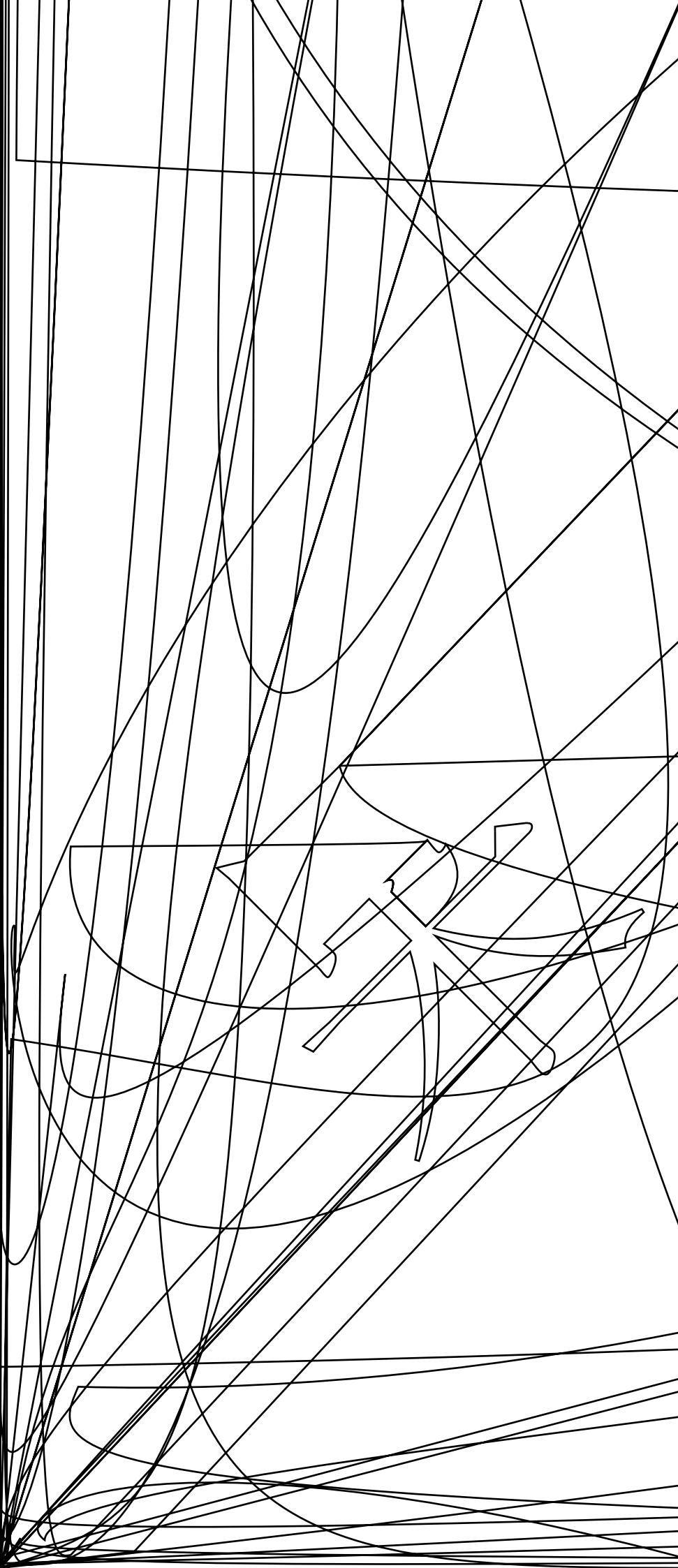




Features

- Pb free product—RoHS compliant
- Low power consumption, High efficiency
- Reliable and rugged
- Long life – solid state reliability
- Fast response time
- High photo sensitivity

Package Dimension

Notes:

1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.10\text{mm}$ unless otherwise noted.

Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Range Of Spectral Bandwidth	$\lambda_{0.5}$	780	---	1100	nm	---
Wavelength Of Peak Sensitivity	λ_p	---	940	---	nm	---
Collector-Emitter Breakdown Voltage	BV_{CEO}	30	---	---	V	$I_C=0.1mA$ $E_e=0mW/cm^2$
Emitter-Collector Breakdown Voltage	BV_{ECO}	5	---	---	V	$I_E=0.1mA$ $E_e=0mW/cm^2$
Collector-Emitter Saturation Voltage	$V_{CE(SAT)}$	---	---	0.4	V	$I_C=0.1mA$ $E_e=1mW/cm^2$
Rise Time	T_r	---	15	---	μs	$V_{CE}=5V$ $I_C=1mA$ $R_L=1000\Omega$
Fall Time	T_f	---	15	---	μs	
Viewing Angle	$2\theta_{1/2}$	---	50	---	Deg.	---
Collector Dark Current	I_{CEO}	---	---	100	nA	$V_{CE}=10V$ $E_e=0mW/cm^2$
On State Collector Current	$I_{C(ON)}$	1.0	---	---	mA	$V_{CE}=5V$ $E_e=1mW/cm^2$ $\lambda_p=940nm$

Note:

- $\theta_{1/2}$ is the off-axis angle at which the $I_{C(ON)}$ is half the axial $I_{C(ON)}$.
- The $I_{C(ON)}$ guarantee should be added $\pm 15\%$ tolerance.





Note: Tolerance unless mentioned is $\pm 0.1\text{mm}$; Unit = mm

