

## H11GXF Series

Rev.A.1.1

### DESCRIPTION:

The H11GXF series combine an AlGaAs infrared emitting diode as the emitter which is optically coupled to a monolithic silicon zero-cross photo triac to drive a power triac in a plastic DIP5 package with different lead forming options. The products are widely used in solenoid/valve controls, lighting controls, motor controls, temperature controls, static AC power switches, solid state relays, interfacing microprocessors to 265 V<sub>AC</sub> peripherals.

### MAIN FEATURES

High isolation 5000 Vrms

DC input with triac output

Operating temperature range - 40°C to 85 °C

REACH & RoHS compliance

MSL class 2

HBM: H3A; MM: M4

CQC approved

VDE approved

UL approved

ABSOLUTE

Input

V <sub>R</sub>	6	V
4.2 (t)6.3 (i)-4.3 (ag)-10.3 Tc 0 Tw 7.295 0 3.92		EMC /P <</M

Operating Temperature

$T_{opr}$

ORDERING AND MARKING INFORMATION

MARKING INFORMATION



## Characteristics Curves

FIG.1: Forward Current vs. Ambient Temperature

FIG.2: On-state Terminal Current vs. Ambient Temperature 0

FIG.7: On-state Terminal Voltage vs. Ambient Temperature

FIG.8: Normalized Holding Current vs. Ambient Temperature



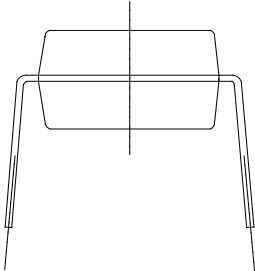
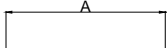
TEST CIRCUITS

FIG.11: Test Circuits of Turn On Time

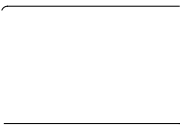
FIG.12: Waveforms of Turn On Time

Package Dimension (Unit: mm)  $\overset{\text{A}}{\text{A}}$

Standard DIP Type:

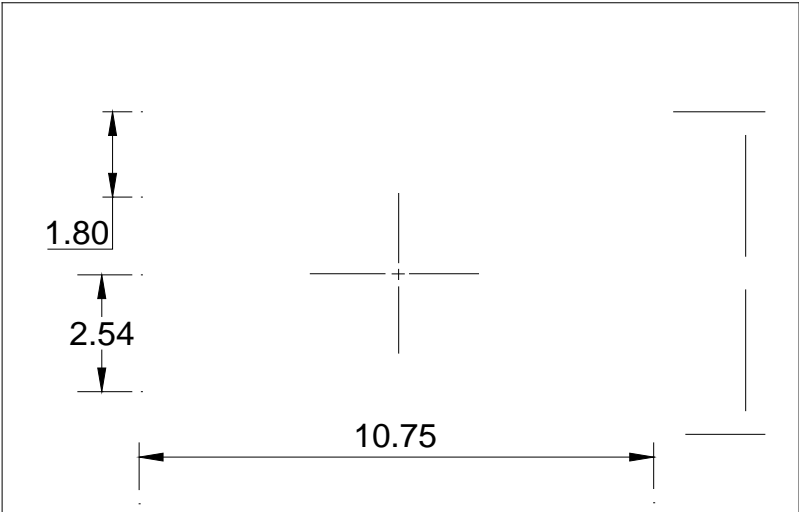


Option SL Type:



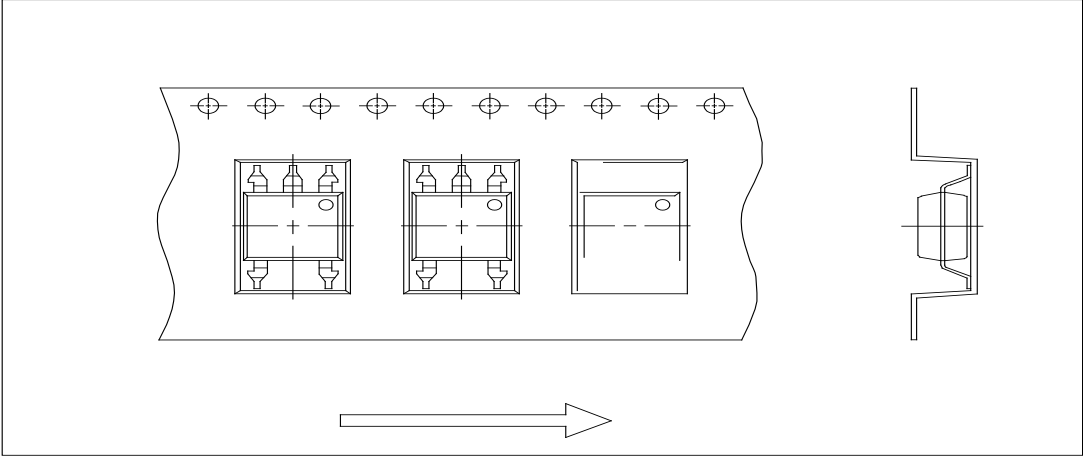
RECOMMENDED SOLDER MASK DIMENSIONS in mm unless otherwise stated)

SL:





Option SLM(T1)







## Document Revision History

Date	Revision	Changes
Feb.21, 2025	A.1.0	Last update
Nov.7, 2025	A.1.1	Add (dV/dt)c

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