

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_{AC} 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 _R	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

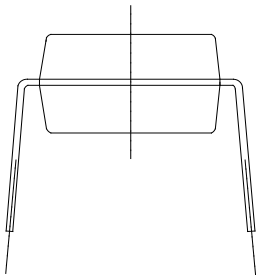
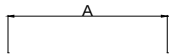
TEST CIRCUITS

FIG.11: Test Circuits of Turn On Time

FIG.12: Waveforms of Turn On Time

Package Dimension (Unit:mm)

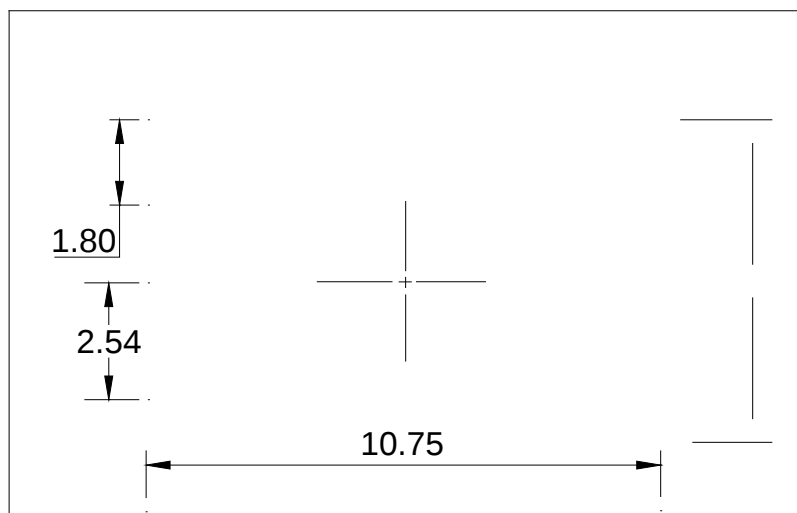
Standard DIP Type:



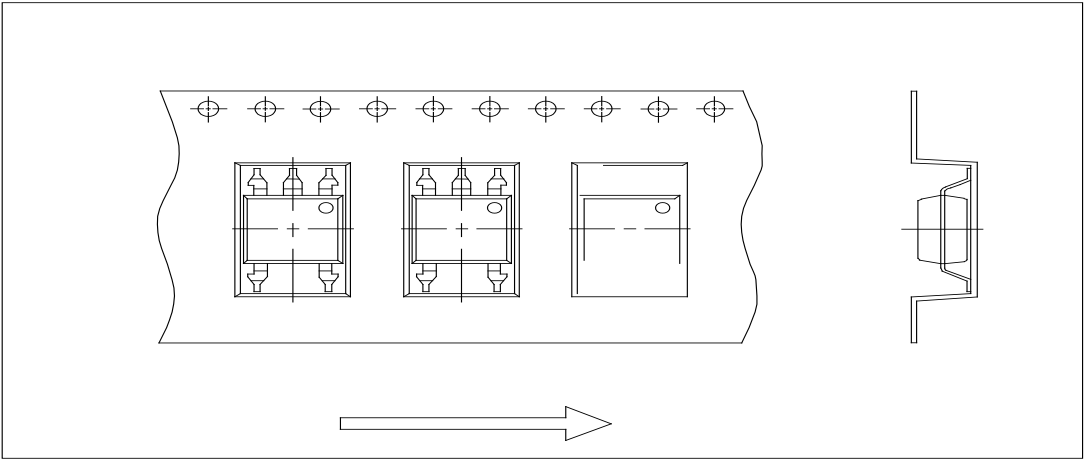
Option SL Type:

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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