JOC308XD5 Series

Rev.A.1.1

DESCRIPTION:

The JOC308XD5 series combine an AIGaAs infrared emitting diode as the emitter which is optically coupled to a monolithic silicon zero-cross photo 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 up to 265 V_{AC} peripherals.

MAIN FEATURES

High isolation 5000 VRMS

DC input with zero-cross photo triac output

Operating temperature range -55

HBM:

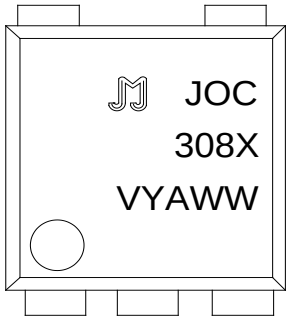
CQC approved

VDE approved

UL approved

ABSOLUTE MAXIMUM RATINGS (Temperature=25°C)

ORDERING AND MARKING INFORMATION

MARKING INFORMATION	
	JOC : Company Abbr. 308X : Part Number & Rank V : VDE Option Y : Fiscal Year A : Manufacturing Code WW : Work Week
ORDERING INFORMATION	
JOC308X-D5(Y)(Z)-GV	

JOC – Company Abbr.
308X – Part Number (1/2/3)
D5 – DIP5 Package
Y – Lead Form Option (M/S/SL/SLM/None)
Z – Tape and Reel Option (T1)
G – Green Option (G or None)
V

JOC308XD5

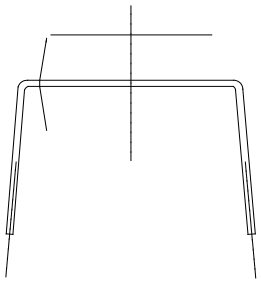
TEST CIRCUITS

FIG.12: Test Circuits of Turn On Time

FIG.13: Waveforms of Turn On Time

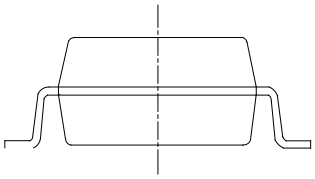
Package Dimension (Unit: mm)

Standard DIP Type:

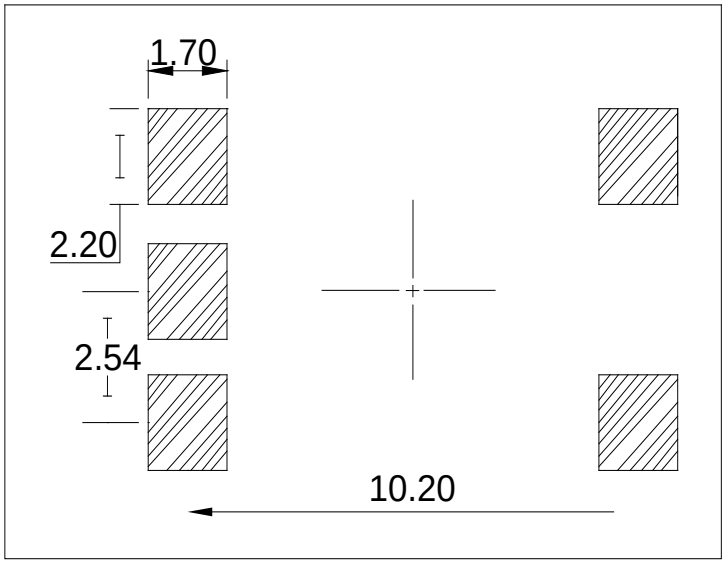


Option S Type:

Option SLM Type:



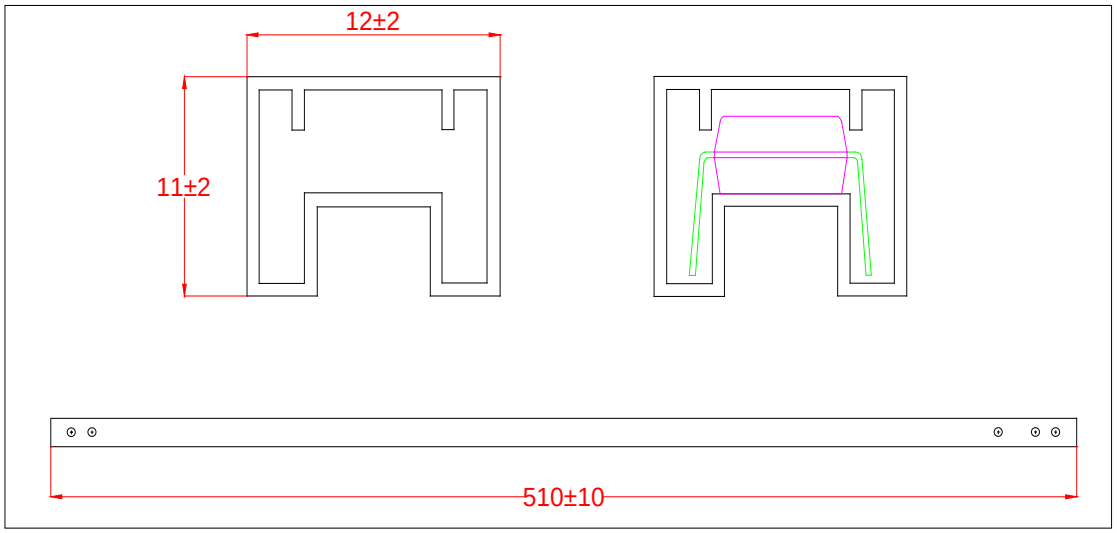
Option SL



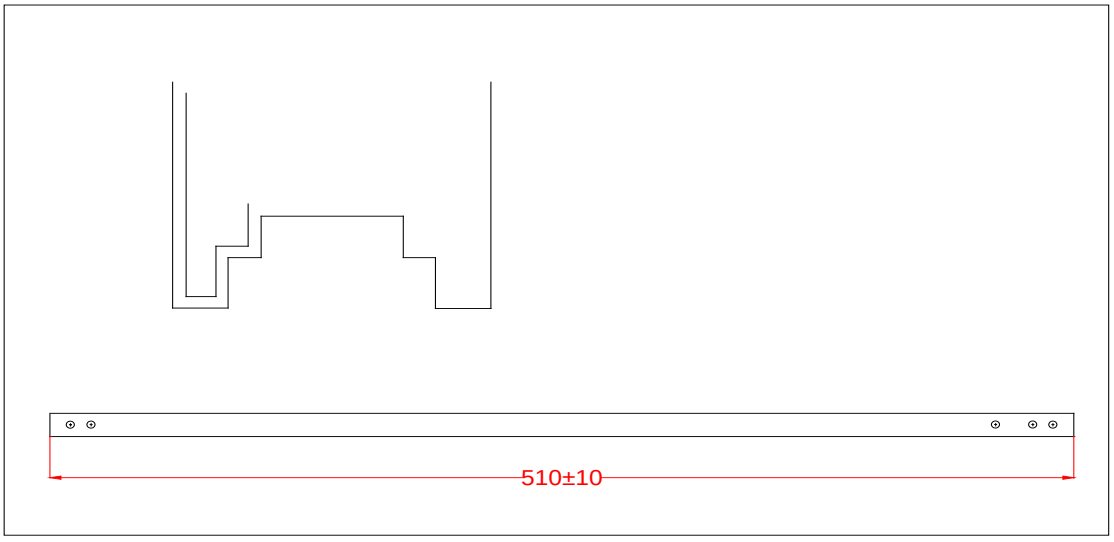
Option SLM

TUBE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

Standard DIP

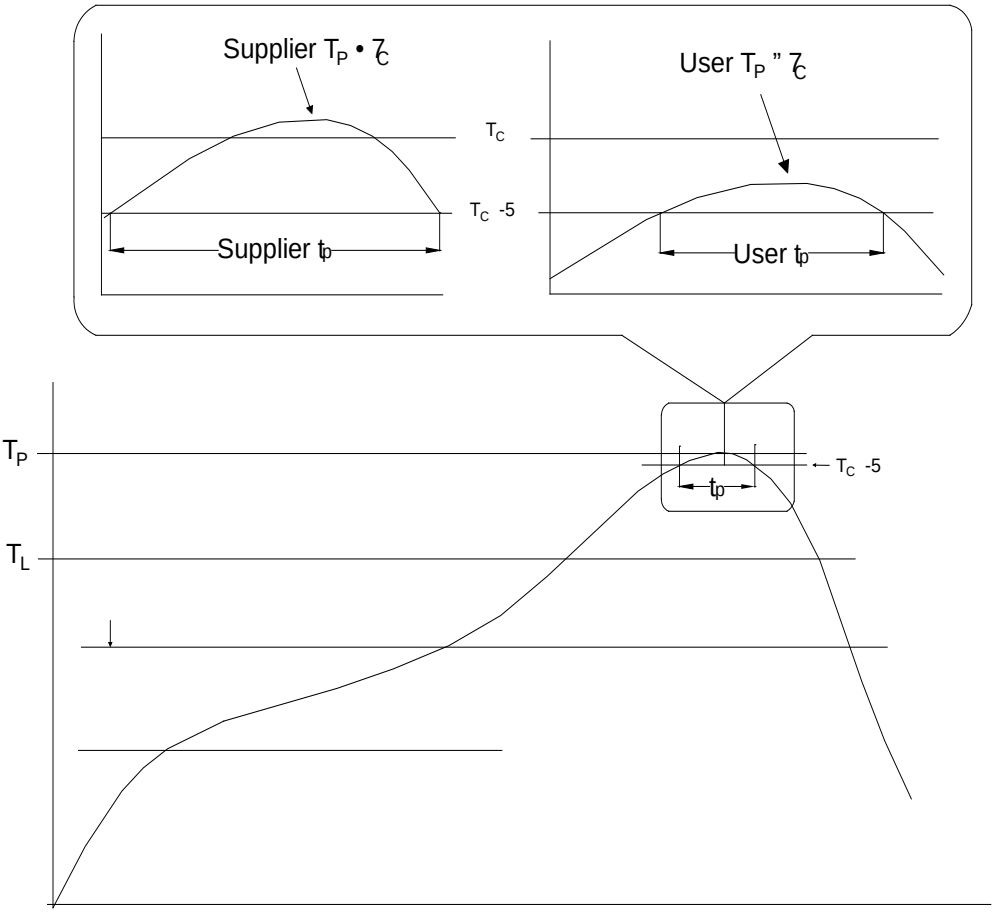


Option M

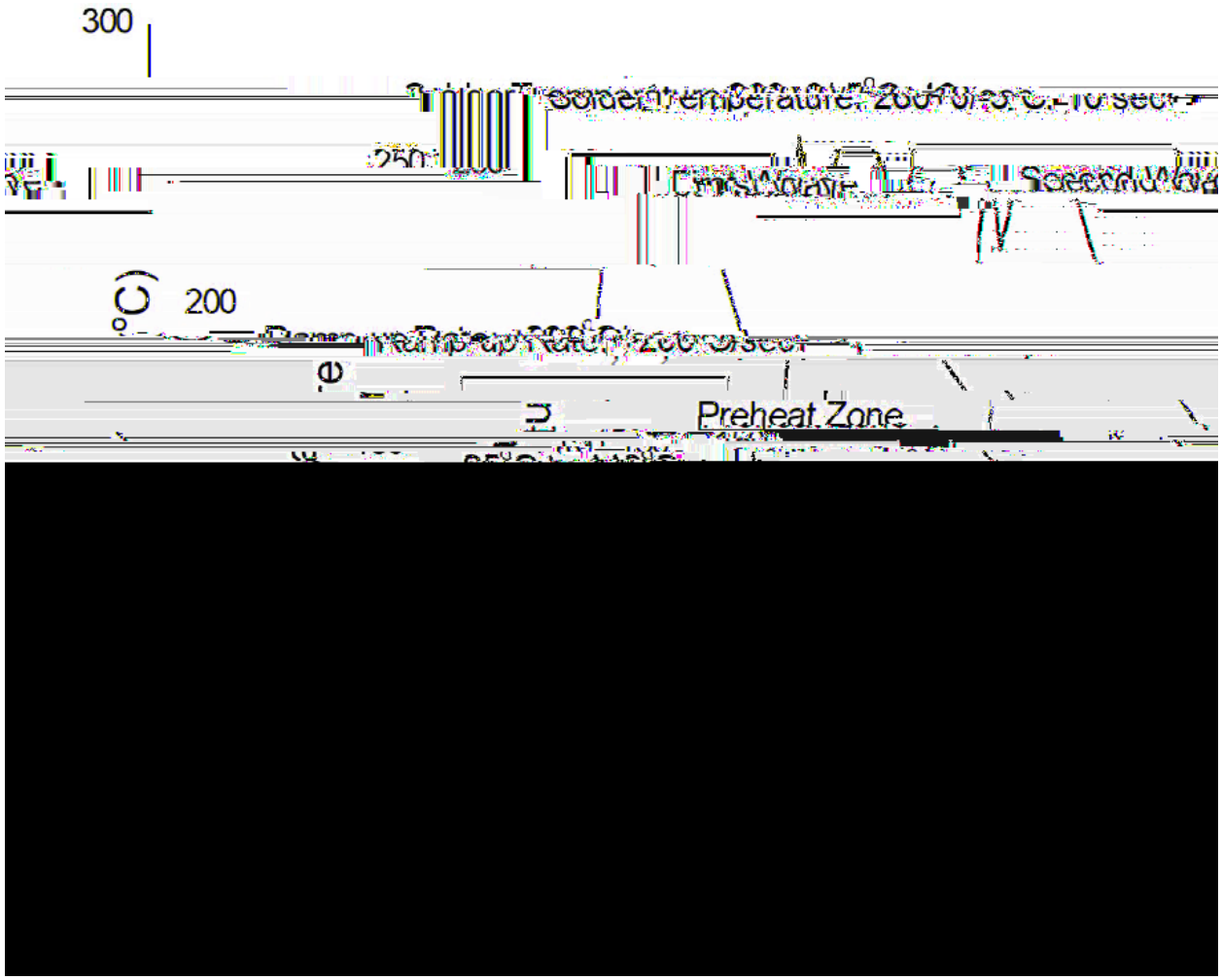


CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated - 68289 74.05

REFLOW INFORMATION



WAVE SOLDERING



HAND SOLDERING BY SOLDERING IRON	
Soldering Temperature	360 ± 5
Soldering Time	3s max.

Document Revision History

Date	Revision	Changes
Apr.2, 2025	A.1.0	Last update
Nov.6, 2025	A.1.1	Add S&SLM package

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