JOC305X Series

Rev.A.1.0

DESCRIPTION:

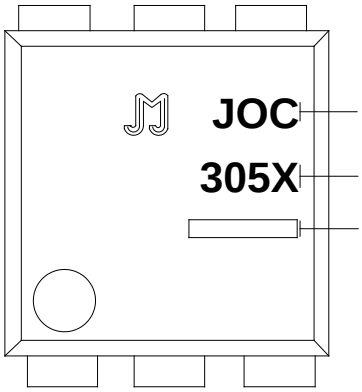
The products are 6-pin thyristor opto- (duc-13.7 ( )-12.8 ( )-1)]TJ 0 Tw -34 Tc -0.9>. ristor o9

Total Power Dissipation	P_{tot}	325	mW
Isolation Voltage	V_{iso}	5000	Vrms
Operating Temperature	T_{opr}	-55~110	
Junction Temperature	T_j	125	
Storage Temperature	T_{stg}	-55~125	
Soldering Temperature	T_{sol}	260	
Peak pulse voltage (T_j=25 ; non-repetitive,off-state)	V_{pp}	1	kV

NOTE1 100Nq8.w 0 NncDC y52.68 Tm [(s)-4 (o2_1Tj 0 Tc 0 Tw 1.102 0 Td ( )42 f BT /P <</MCID 41

ORDERING AND MARKING INFORMATION

MARKING INFORMATION



: Company Abbr.

Characteristics Curves

FIG.1:

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

FIG.8: On-state Terminal Voltage vs. On-state Terminal Current

TEST CIRCUITS

FIG.12: Test Circuits of Turn On Time

FIG.13: Waveforms of Turn On Time

Fig.14: Test Circuits of dV/dt

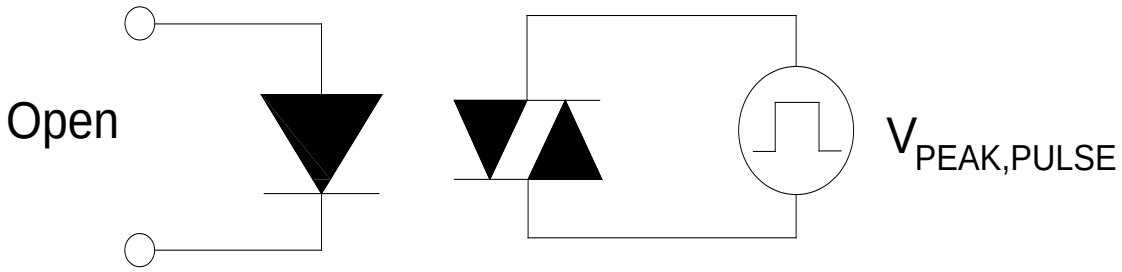


Fig.15: Waveforms of dV/dt

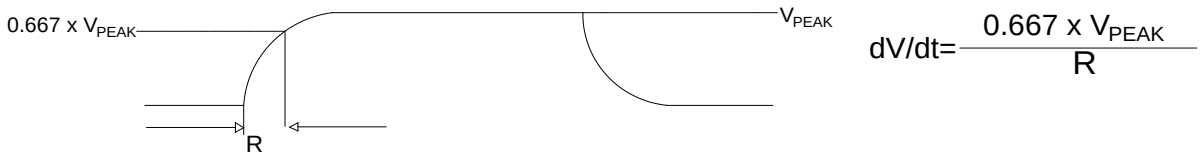
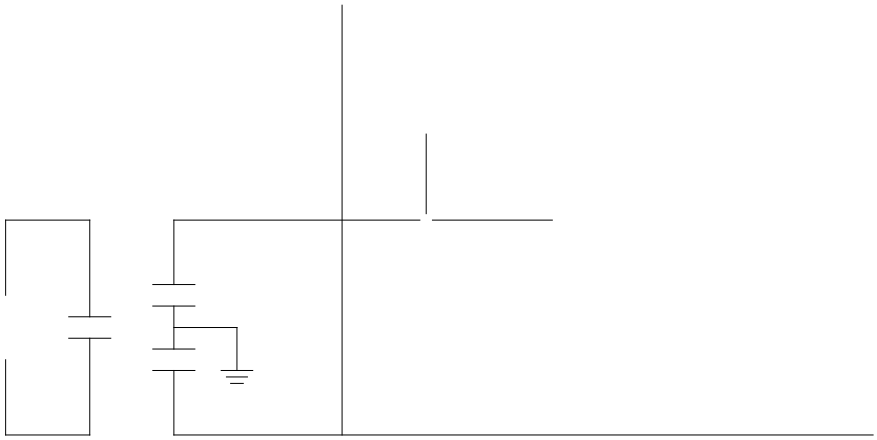
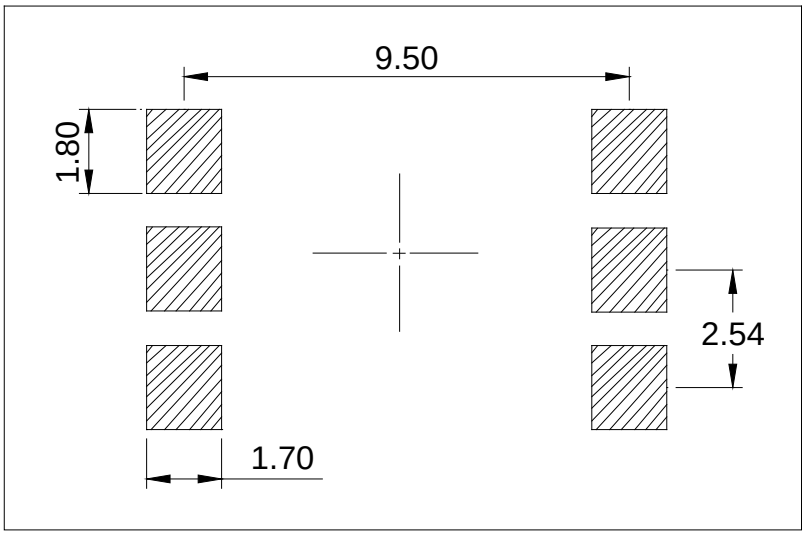


FIG.16: Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



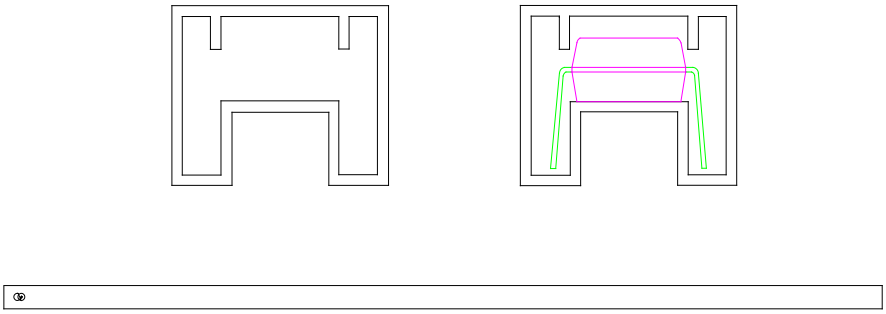
RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

Option SMD

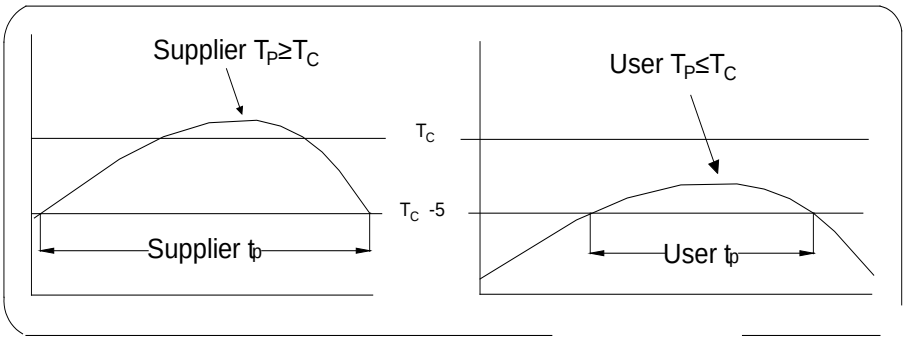


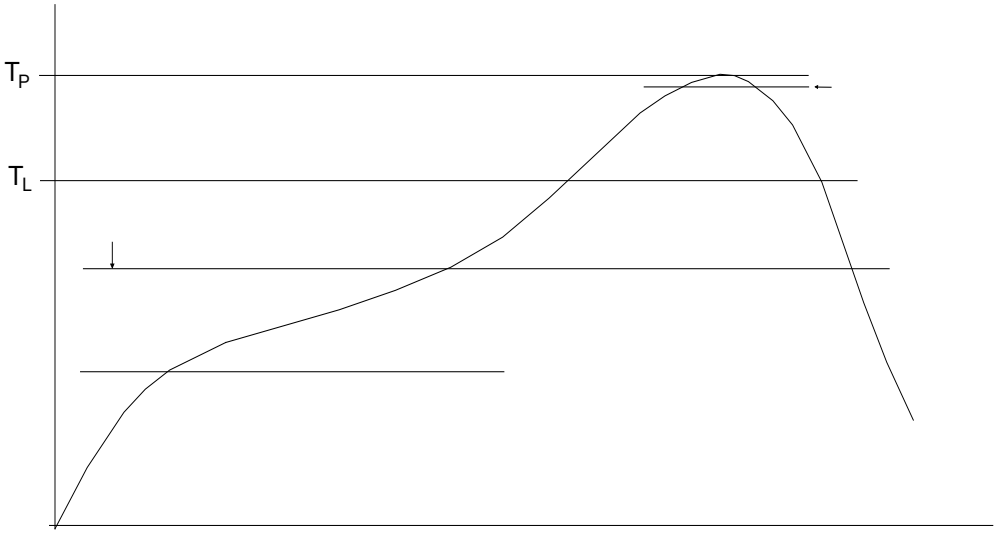
TUBE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

Standard DIP

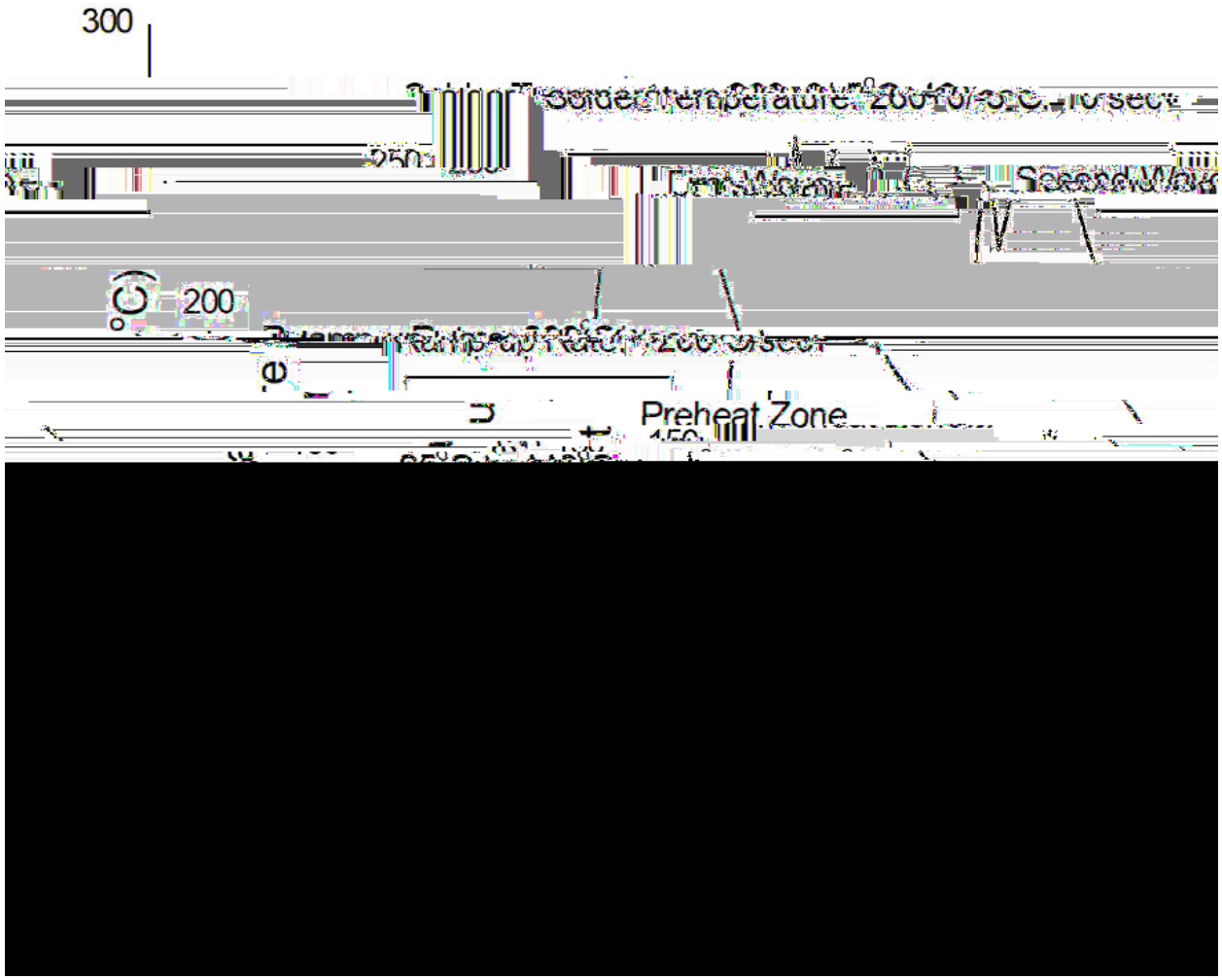


REFLOW INFORMATION





WAVE SOLDERING



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

Note:

1. Reflow soldering is recommended at the temperatures and times shown, no more than three times.

2. Avoid direct contact between the epoxy body and any tools or surfaces exceeding its maximum storage temperature.

3. Application of pressure on the epoxy body is prohibited at elevated temperatures. In specific scenarios, any applied force must not exceed 2.5N.

4. Ensure the component has cooled to ambient temperature before proceeding with any subsequent manufacturing steps.

5. The component has a shelf life of one year when stored under standard conditions.

6. Recommend storage Temp.: 0~40°C;

Recommend storage humidity: <60%;

MSL level: MSL 1

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