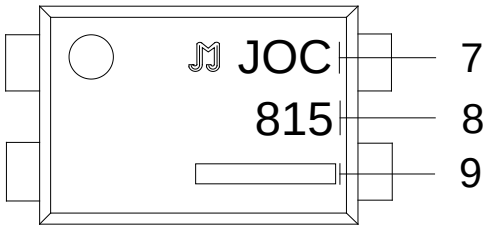
| | | | |
|---|---|---|---|
| Isolation Voltage | $V_{iso}$ | 5000 | Vrms |
| Operating Temperature | $T_{opr}$ | -55~+110 | |
| Storage Temperature | $T_{stg}$ | -55~+125 | |
| Soldering Temperature | $T_{sol}$ | 260 | |

NOTE1. 100μs pulse, 100Hz frequency

## ORDERING AND MARKING INFORMATION

| MARKING INFORMATION | |
|---|---|
|  | 7 : Company Abbr.<br>8 : Part Number & Rank<br>9 : Production Information Code |
| Packing Quantity | |

Option Quan002 Tw

JOC815

FIG.7: Normalized Current Transfer Ratio vs. Ambient Temperature

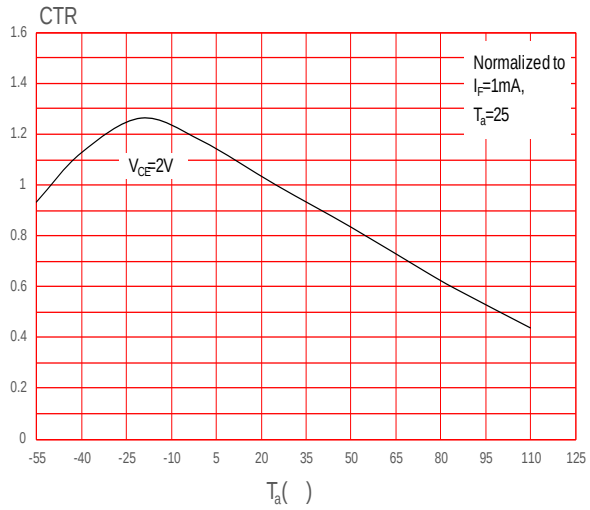



FIG.8: Normalized Collector-emitter Saturation Voltage vs. Ambient Temperature

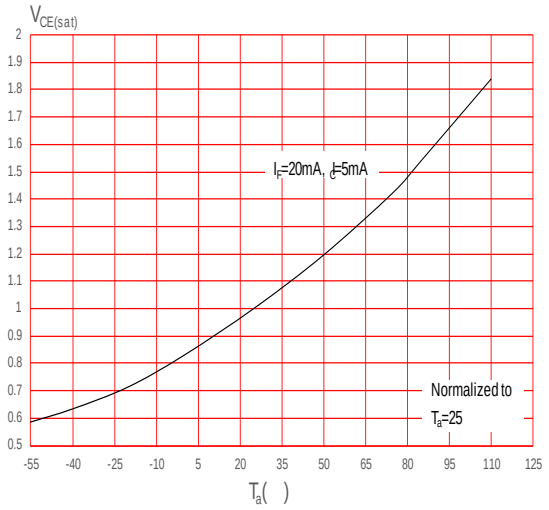



FIG.9: Response Time vs. Load Resistance



FIG.10: Frequency Response

## Test Circuits

FIG.11: Test Circuits of Response Time

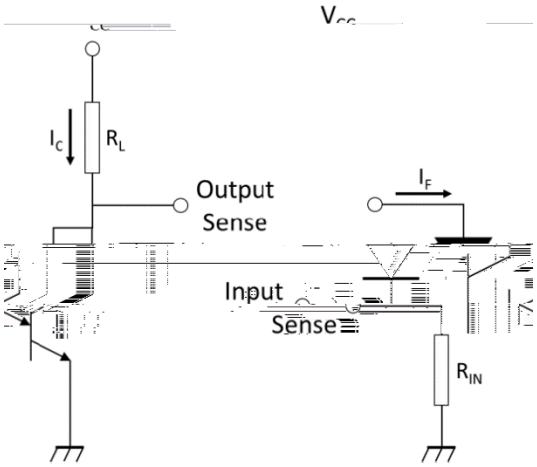
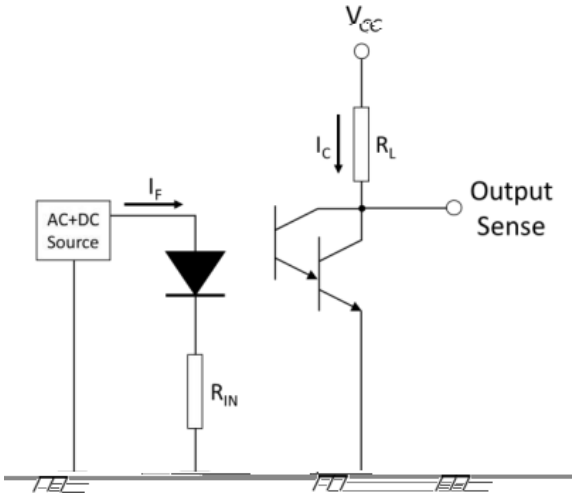



FIG.12: Curves of Response Time

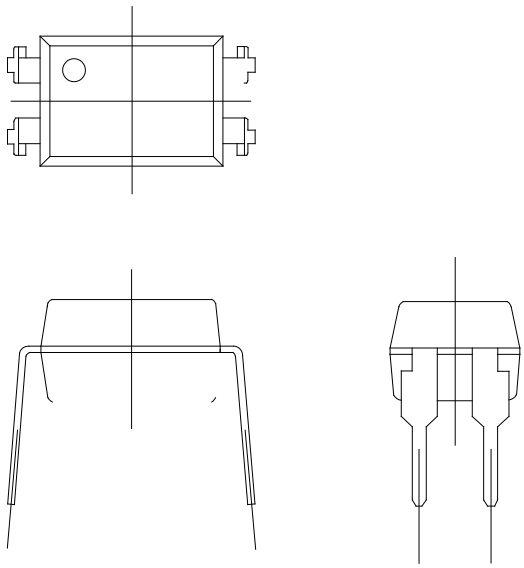



FIG.13: Test Circuits of Frequency Response

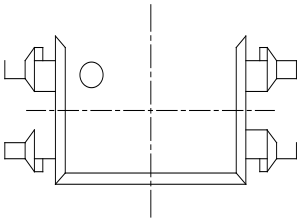


## Package Dimension (Unit: mm Å

Standard DIP Type:

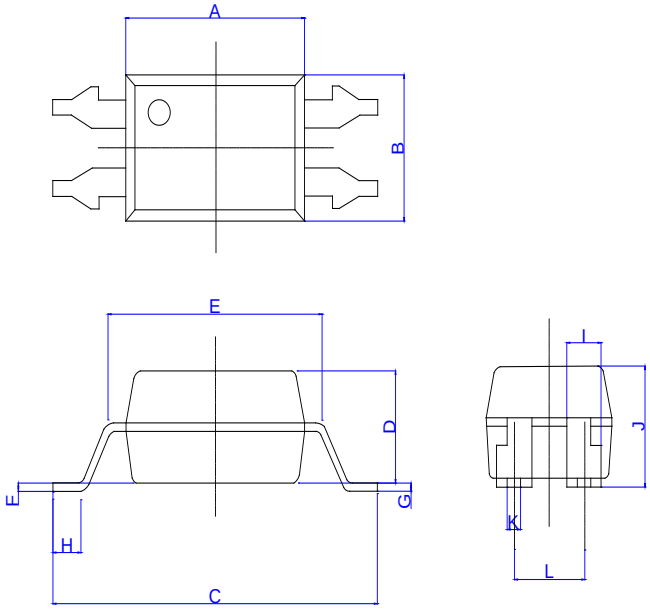


Option S Type:





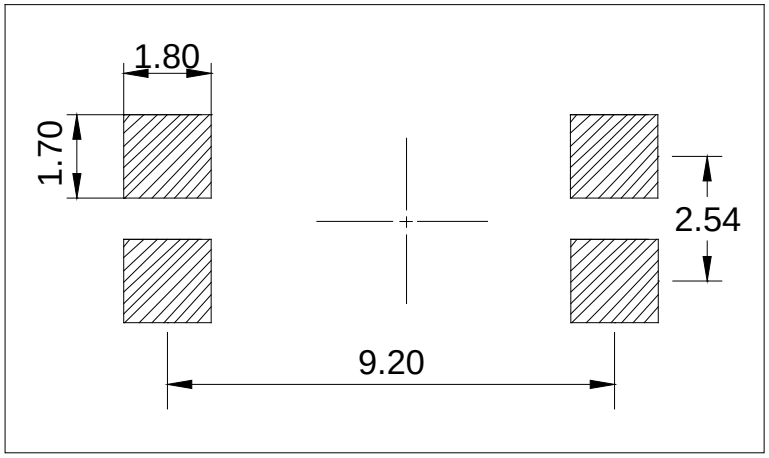
Option SLM Type:




| Ref. | Dimensions | | | | | |
|---|---|---|---|---|---|---|
| | Millimeters | | | Inches | | |
| | Min. | Typ. | Max. | Min. | Typ. | Max. |
| A | 6.30 | | 6.70 | 0.248 | | 0.264 |
| B | 4.38 | | 4.78 | 0.172 | | 0.188 |
| C | 11.60 | | 12.10 | 0.457 | | 0.476 |
| D | 3.30 | | 3.70 | 0.130 | | 0.146 |
| E | 7.32 | | 7.92 | 0.288 | | 0.312 |
| F | 0.00 | | 0.30 | 0.000 | | 0.012 |
| G | 0.20 | | 0.30 | 0.008 | | 0.012 |
| H | 0.50 | | 0.90 | 0.020 | | 0.035 |
| I | 1.15 | | 1.35 | 0.045 | | 0.053 |
| J | 3.45 | | 3.85 | 0.136 | | 0.152 |
| K | 0.45 | | 0.55 | 0.018 | | 0.022 |
| L | 2.34 | | 2.74 | 0.092 | | 0.108 |

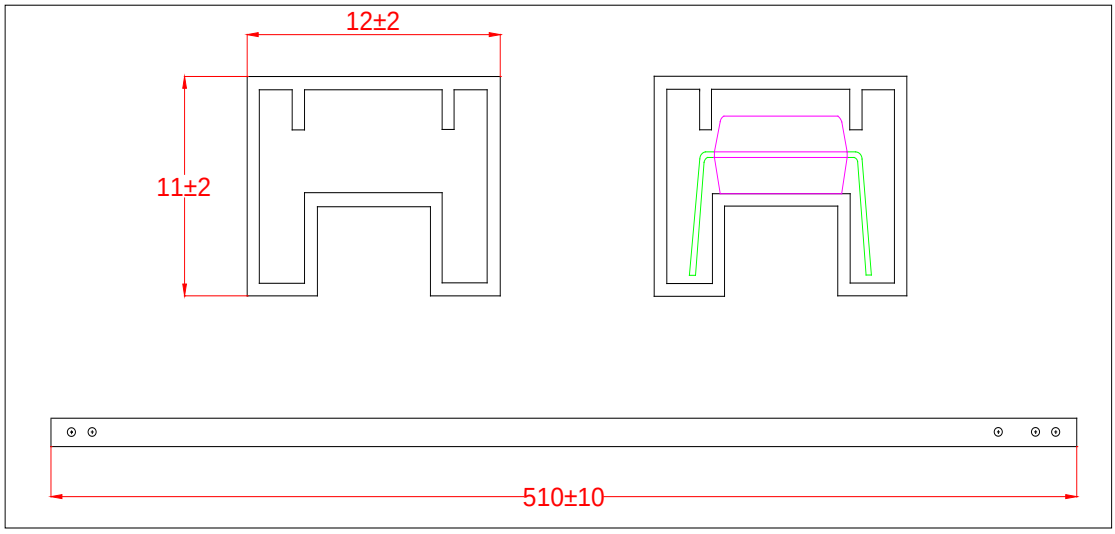
## RECOMMENDED SOLDER MASK (Dimensions in mm unless otherwise stated)

Option S

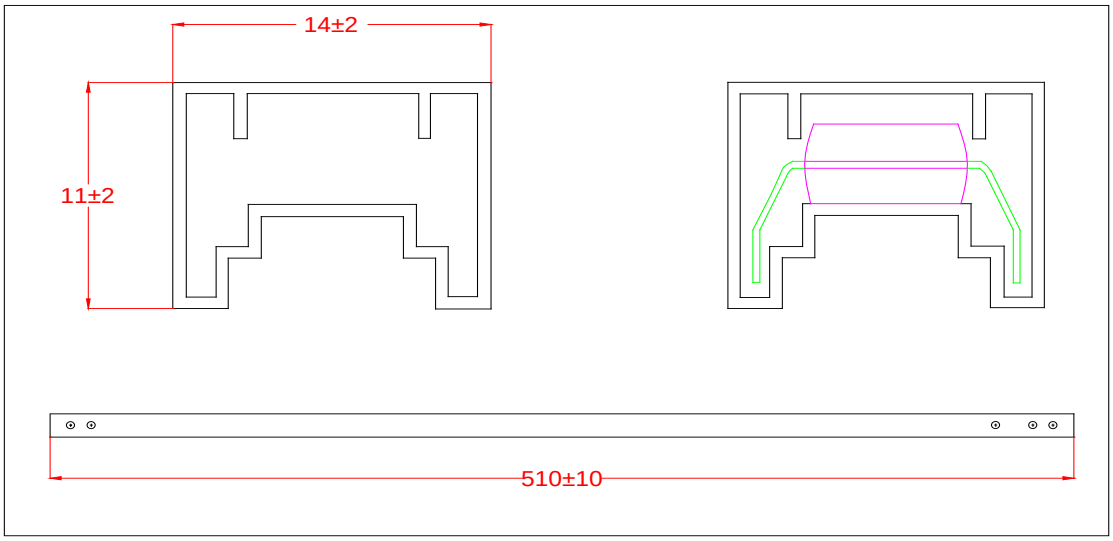


## TUBE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

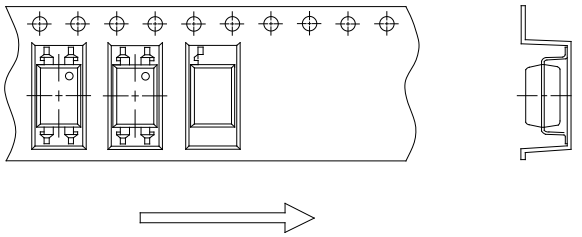
Standard DIP



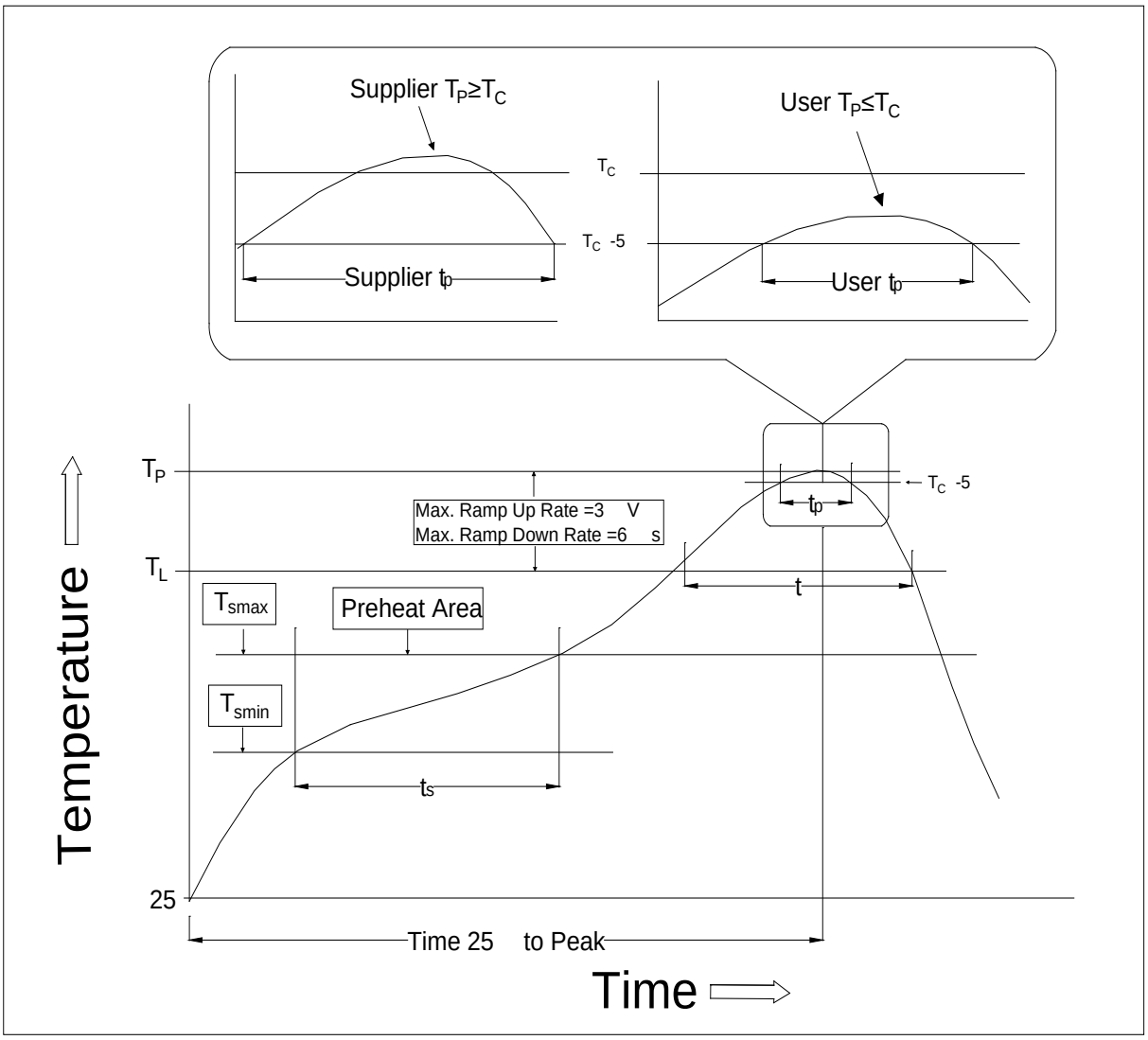

Option M



CARRIER TAPE SPECIFICATIONS (Dimensions in mm unless otherwise stated)

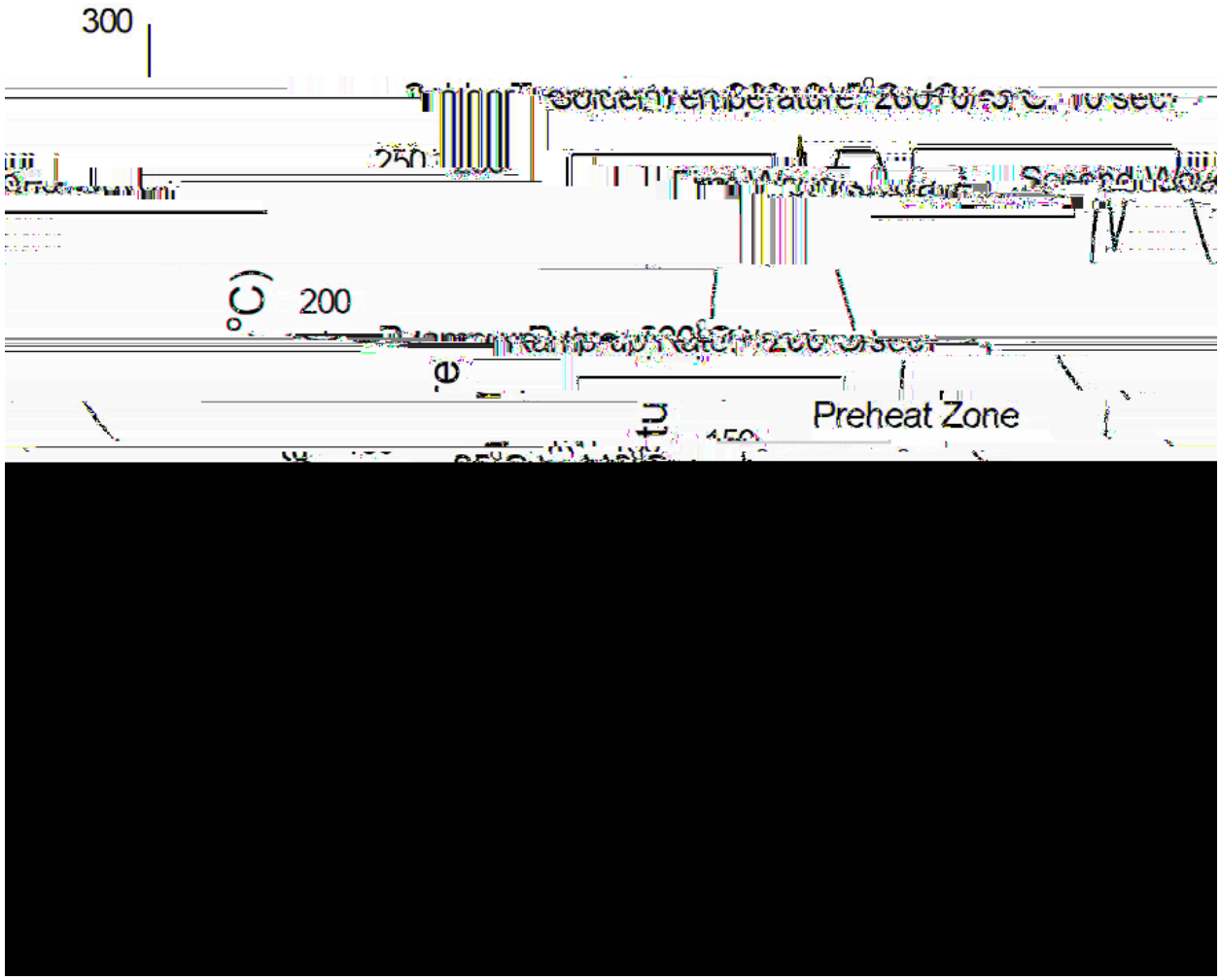


## REFLOW INFORMATION




| Profile Feature | Sn-Pb Assembly Profile | Pb-Free Assembly Profile |
|---|---|---|
| Temperature Min. (Tsmin) | 100 | 150 |
| Temperature Max. (Tsmax) | 150 | 200 |
| Time (ts) from (Tsmin to Tsmax) | 60-120 seconds | 60-120 seconds |
| Ramp-up Rate (tL to tP) | 3 / second max. | 3 / second max. |
| Liquidus Temperature (TL) | 183 | 217 |
| Time (tL) Maintained Above (TL) | 60-150 seconds | 60-150 seconds |
| Peak Body Package Temperature | 235 +0 /-5 | 260 +0 /-5 |
| Time (tP) within 5 of 260 | 10 seconds | 10 seconds |
| Ramp-down Rate (TP to TL) | 3-6 / second | 3-6 / second |
| Time 25 to Peak Temperature | 6 minutes max. | 8 minutes max. |

## 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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