



# SOT8002-3

plastic thermal enhanced surface mounted package with side-wettable flanks (SWF); mini leads; 8 terminals; pitch 0.65 mm; 3.3 x 3.3 x 0.8 mm body

6 August 2025

Package information

## 1. Package summary

|  |                                      |
|--|--------------------------------------|
| <b>Terminal position code</b>                              | B (bottom)                           |
| <b>Package type descriptive code</b>                       | MLPAK33-WF                           |
| <b>Package type industry code</b>                          | MLPAK33-WF                           |
| <b>Package style descriptive code</b>                      | HSO (thermal enhanced small outline) |
| <b>Package body material type</b>                          | P (plastic)                          |
| <b>Mounting method type</b>                                | S (surface mount)                    |
| <b>Number of package outline detail graphic references</b> | 0                                    |
| <b>Issue date</b>  | 6-8-2025                             |
| <b>Manufacturer package code</b>                           | SOT8002                              |
| <b>Footprint dimensions (mm)</b>                           | 4.25 x 3.55                          |
| <b>Footprint area (mm<sup>2</sup>)</b>                     | 15.09                                |
| <b>Package dimensions including leads (l x w) (mm)</b>     | 3.3 x 3.3                            |
| <b>Package area (mm<sup>2</sup>)</b>                       | 10.89                                |

Table 1. Package summary

| Symbol         | Parameter                      | Min | Typ | Nom  | Max | Unit |
|----------------|--------------------------------|-----|-----|------|-----|------|
| D              | package length                 | 3.2 | -   | 3.3  | 3.4 | mm   |
| E              | package width                  | 3.2 | -   | 3.3  | 3.4 | mm   |
| A              | seated height                  | 0.7 | -   | 0.8  | 0.9 | mm   |
| e              | nominal pitch                  | -   | -   | 0.65 | -   | mm   |
| n <sub>2</sub> | actual quantity of termination | -   | -   | 8    | -   |      |

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## 2. Package outline

MLPAK33-WF: plastic thermal enhanced surface mounted package with side-wettable flanks (SWF); mini leads; 8 terminals; pitch 0.65 mm; 3.3 x 3.3 x 0.8 mm body

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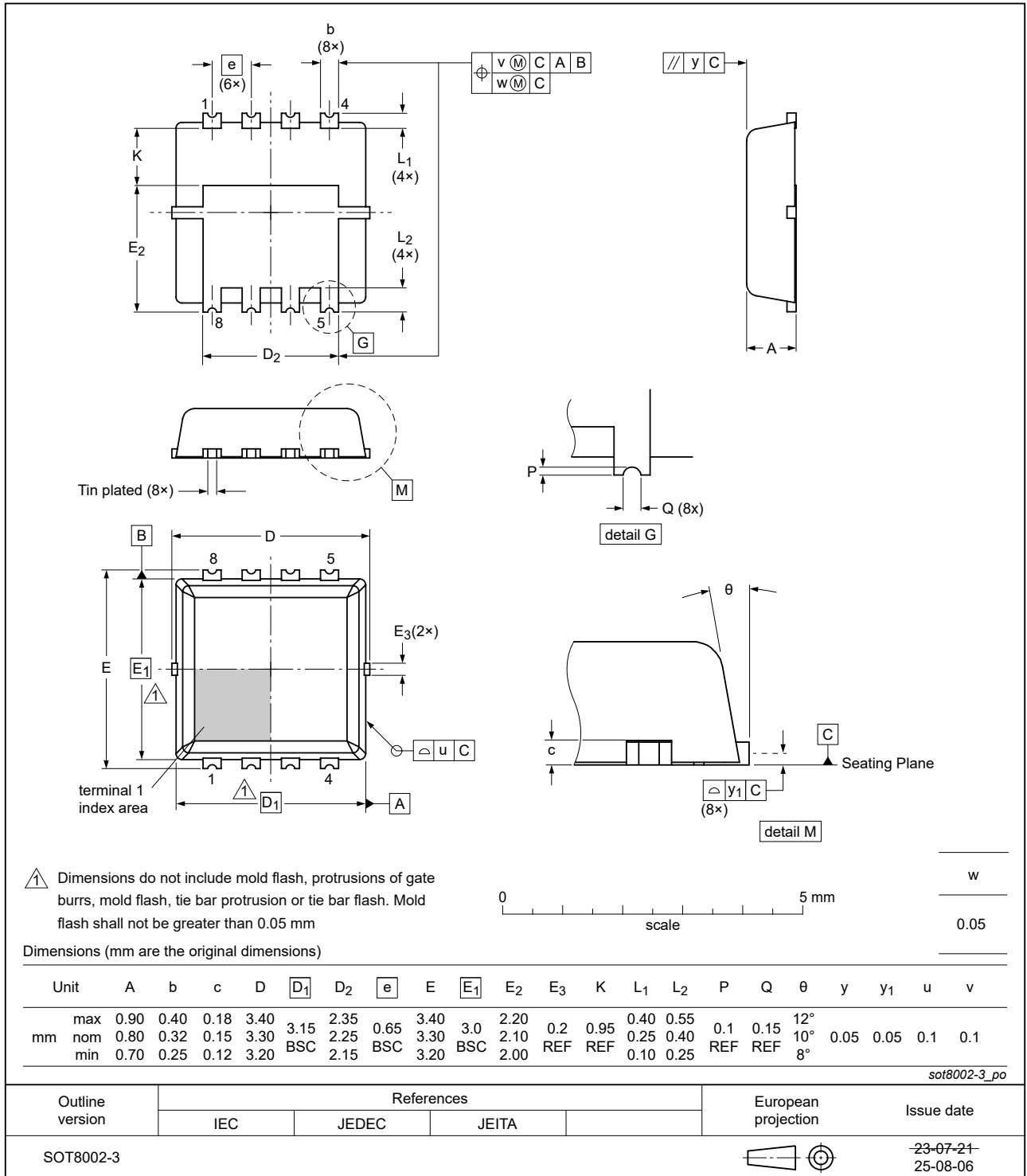


Fig. 1. Package outline MLPAK33-WF (SOT8002-3)

### 3. Soldering

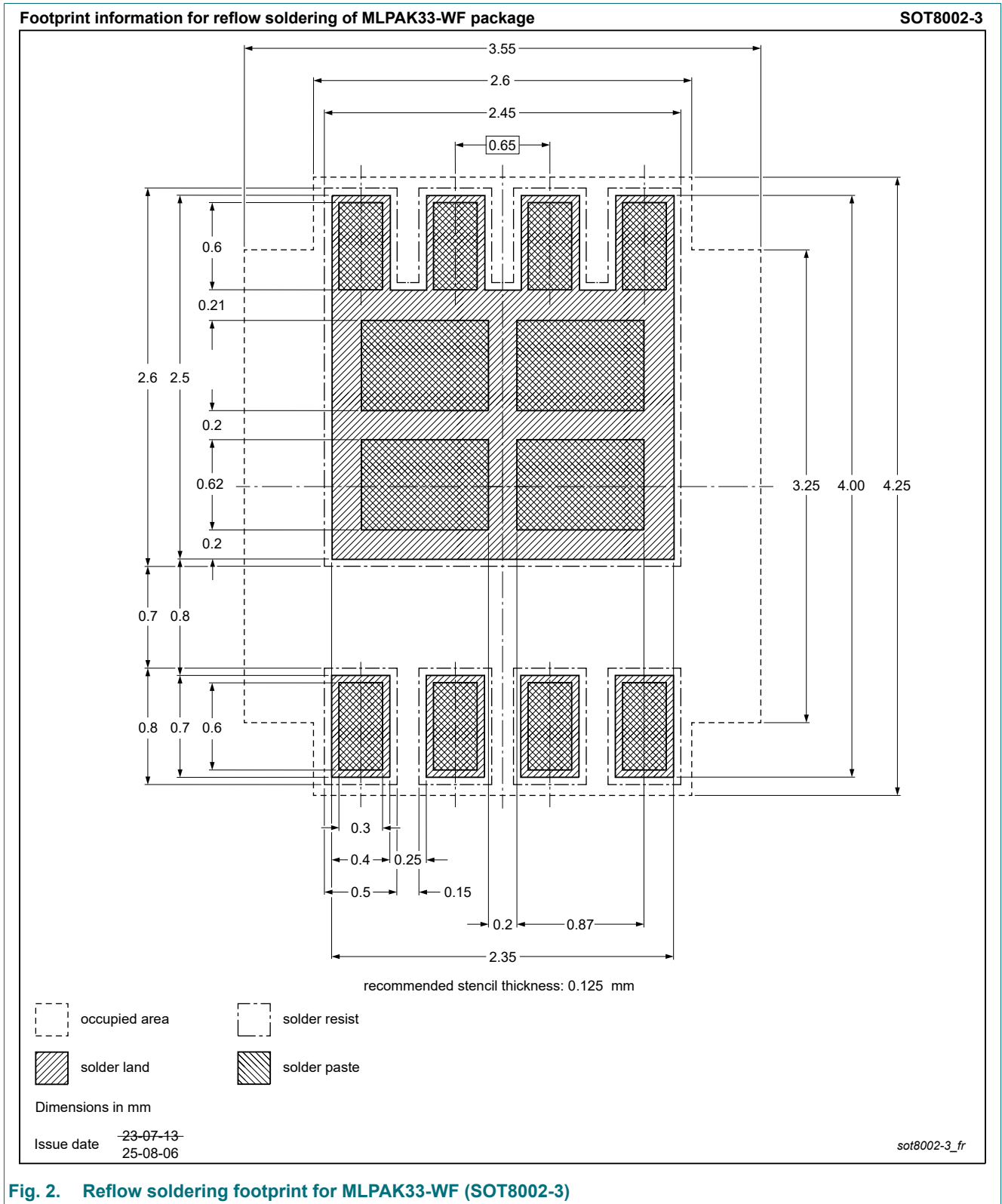


Fig. 2. Reflow soldering footprint for MLPAK33-WF (SOT8002-3)

## 4. Legal information

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