



SOT428-2

plastic, single-ended surface-mounted package (DPAK); 3 leads; 2.286 mm pitch; 6.1 mm x 6.6 mm x 2.3 mm body

16 January 2025

Package information

1. Package summary

Terminal position code	S (single)
Package type descriptive code	TO252
Package type industry code	TO252
Package style descriptive code	SMS (surface-mounted single in-line)
Package body material type	P (plastic)
Mounting method type	S (surface mount)
Number of package outline detail graphic references	0
Issue date	19-11-2024
Manufacturer package code	SOT428
Footprint dimensions (mm)	7 x 11
Footprint area (mm²)	77
Package dimensions including leads (l x w) (mm)	10.1 x 6.6
Package area (mm²)	66.66

Table 1. Package summary

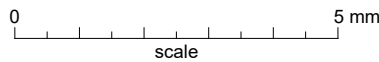
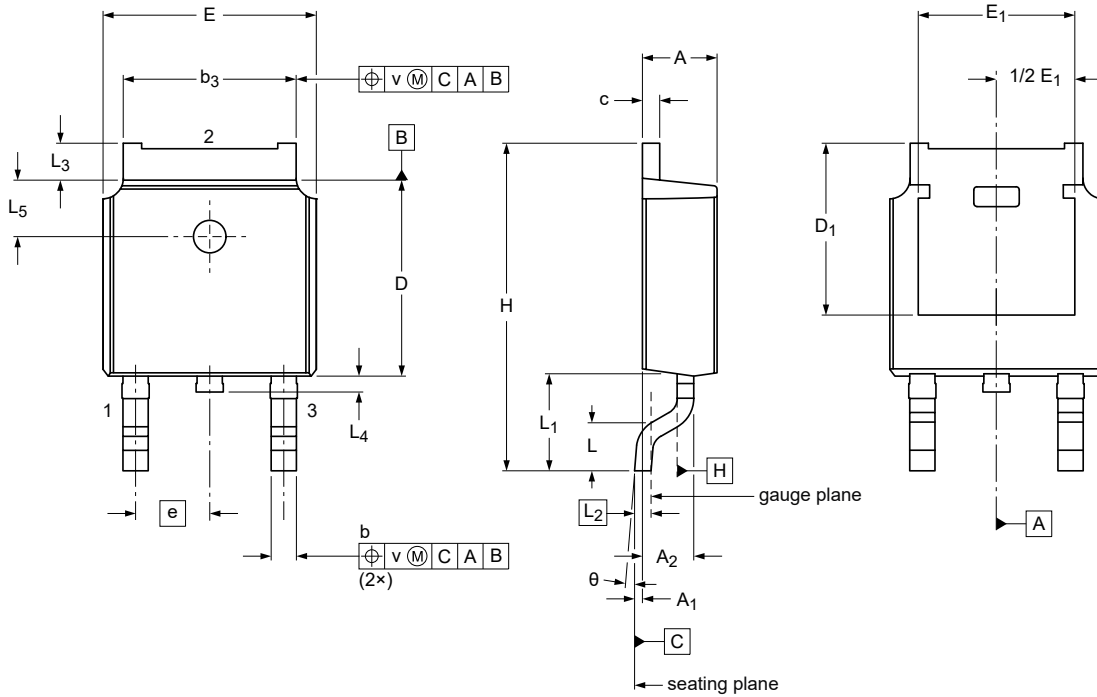
Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	5.98	-	6.1	6.22	mm
E	package width	6.4	-	6.6	6.73	mm
A	seated height	2.2	-	2.3	2.4	mm
A ₂	package height	0.92	-	1.07	1.17	mm
e	nominal pitch	-	-	2.286	-	mm
n ₂	actual quantity of termination	-	-	3	-	

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2. Package outline

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Dimensions (mm are the original dimensions)

Unit ⁽¹⁾	A	A ₁	A ₂	b	b ₃	c	D	D ₁	E	E ₁	e	H	L	(L ₁)	L ₂	L ₃	L ₄	L ₅	v	θ
max	2.40	0.13	1.17	0.90	5.46	0.61	6.22	5.30	6.73	4.83	2.286	10.50	1.75	2.90	0.51	1.28	1.00	1.95		8°
mm nom	2.30		1.07	0.78	5.33	0.53	6.10	REF	6.60	REF	BSC	10.10	1.50	REF	BSC			1.80	0.01	
min	2.20	0.00	0.92	0.63	5.10	0.43	5.98		6.40			9.40	1.38			0.88	0.50	1.65		0°

Note

- Dimensions do not include plastic protrusions.
- Package outline exclusive of metal burr dimensions.
- Datums A and B to be determined at datum plane H.

sot428-2_po

Outline version	References			European projection	Issue date
	IEC	JEDEC	JEITA		
SOT428-2					24-11-19

Fig. 1. Package outline TO252 (SOT428-2)

3. Soldering

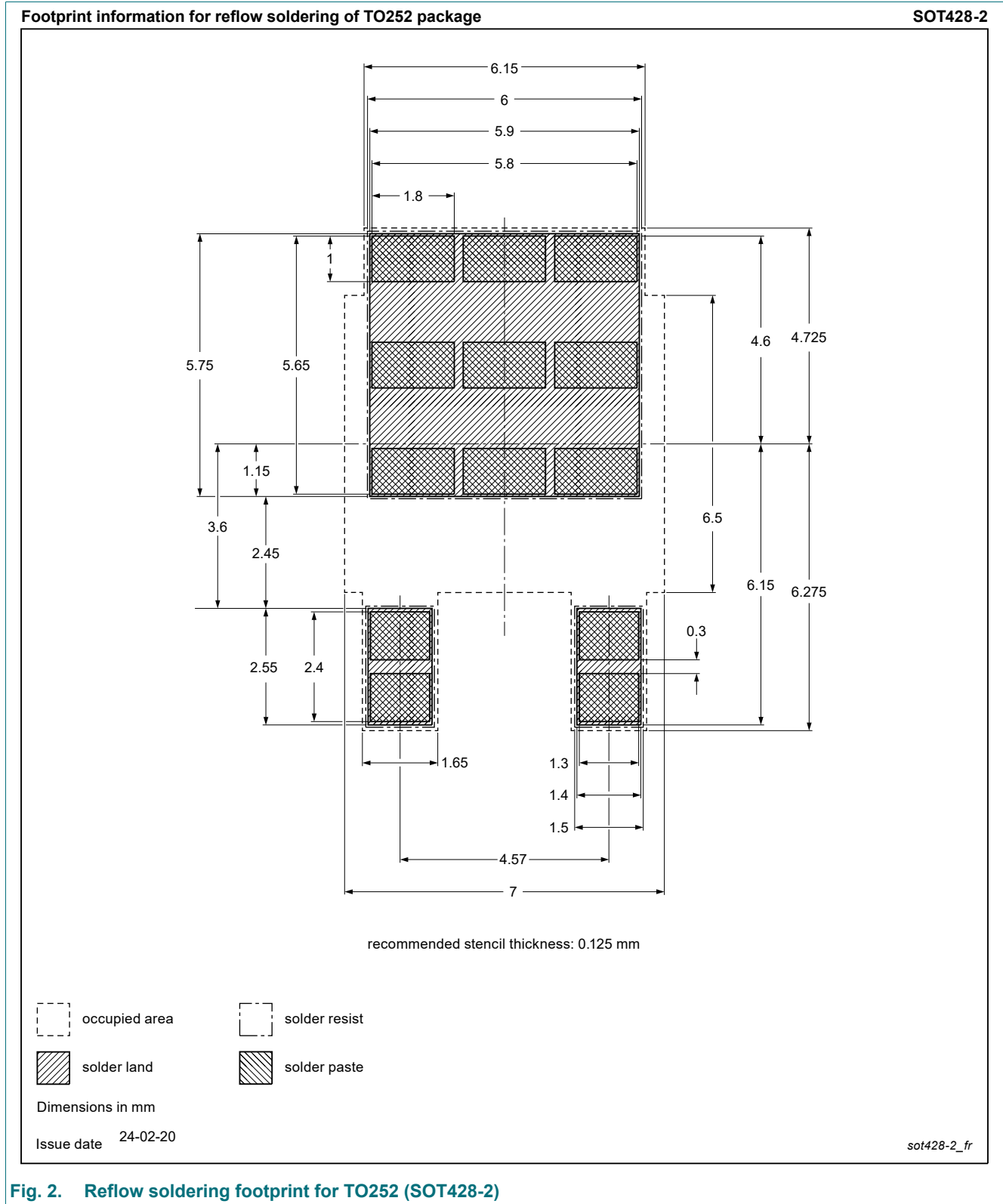


Fig. 2. Reflow soldering footprint for TO252 (SOT428-2)

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Date of release: 16 January 2025
