

SOD142

Plastic Single-ended through-hole package; Heatsink mounted; 1 mounting hole; 2-lead TO-247

8 February 2016

Package information

1. Package summary

Terminal position code	S (single)
Package type descriptive code	SOD142
Package type industry code	TO-247
Package style descriptive code	SOD (small outline diode)
Package style suffix code	NA (not applicable)
Package body material type	P (plastic)
JEDEC package outline code	TO-247
Mounting method type	T (through-hole mount)
Issue date	27-11-2012

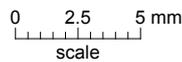
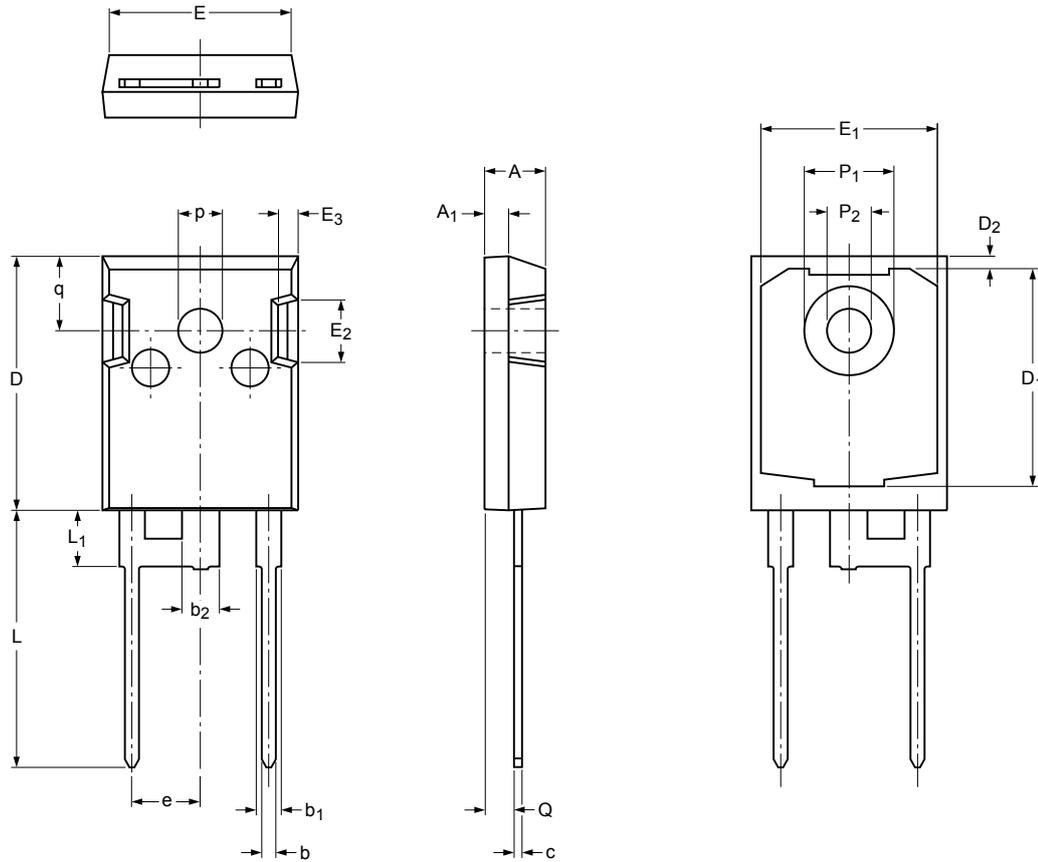
Table 1. Package summary

Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	20.3	-	20.45	20.6	mm
E	package width	15.45	-	15.6	15.75	mm
A	seated height	4.7	-	4.95	5.2	mm
e	nominal pitch	-	-	5.45	-	mm
n ₂	actual quantity of termination	-	-	2	-	



2. Package outline

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Dimensions (mm are the original dimensions)

Unit	A	A ₁	b	b ₁	b ₂	c	D	D ₁	D ₂	e	E	E ₁	E ₂	E ₃	L	L ₁	p	p ₁	p ₂	q	Q	
max	5.2	2.1	1.4	2.2	3.2	0.7	20.6	17.68	1.2		15.75	14.22	5.2	1.8	20.9	4.75	3.7	7.3	3.6	6.18	2.6	
nom										5.45												
min	4.7	1.9	1.0	1.8	2.8	0.5	20.3	17.28	0.8		15.45	13.82	4.8	1.4	20.4	4.25	3.5	7.1	3.4	5.78	2.2	

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Outline version	References			European projection	Issue date
	IEC	JEDEC	JEITA		
SOD142		TO247			-12-11-13- 12-11-27

Fig. 1. Package outline TO-247 (SOD142)

3. Legal information

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Plastic Single-ended through-hole package;
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TO-247

4. Contents

1. Package summary.....	1
2. Package outline.....	2
3. Legal information.....	3

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