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1 Pin configuration

Figure 1. Pin configuration (top view)

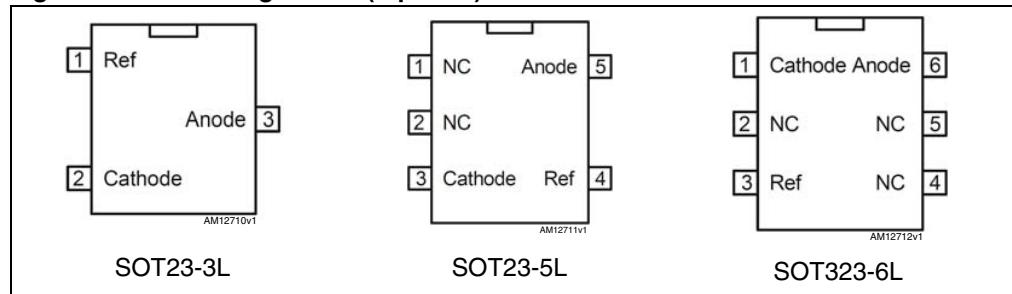
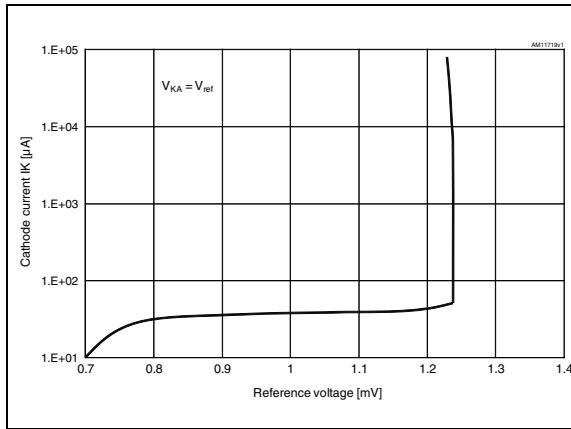
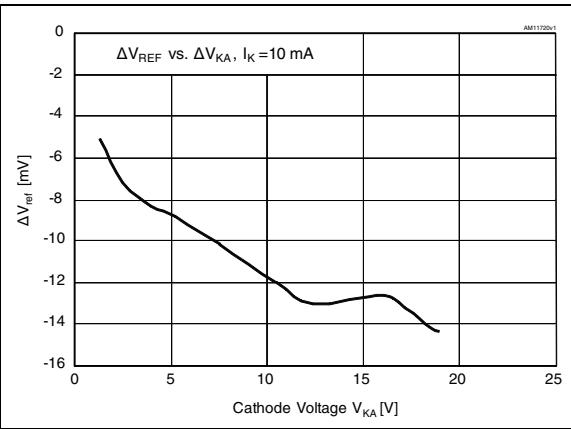
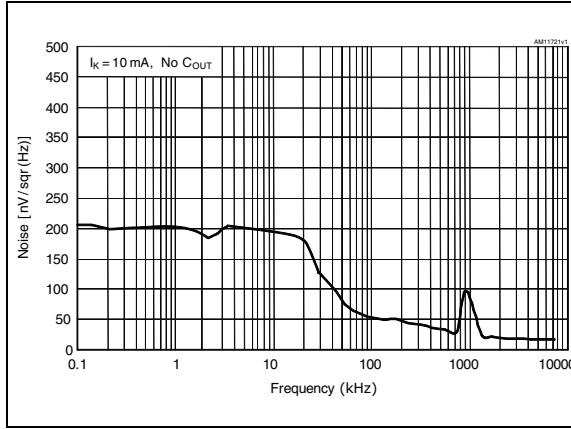
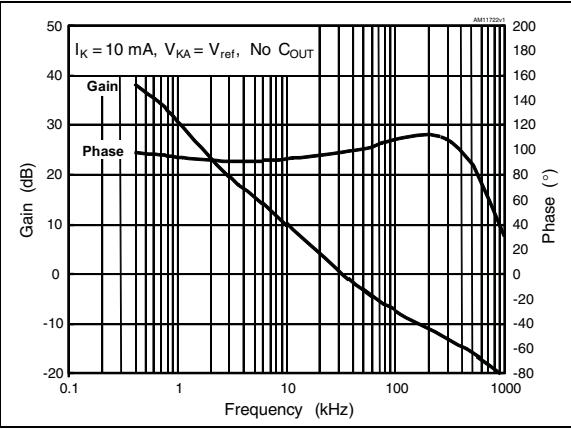
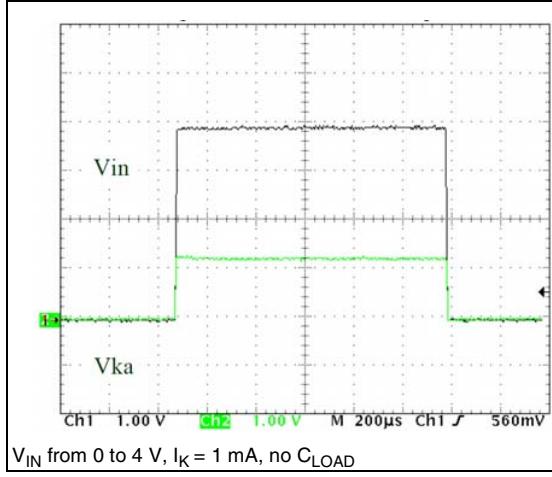
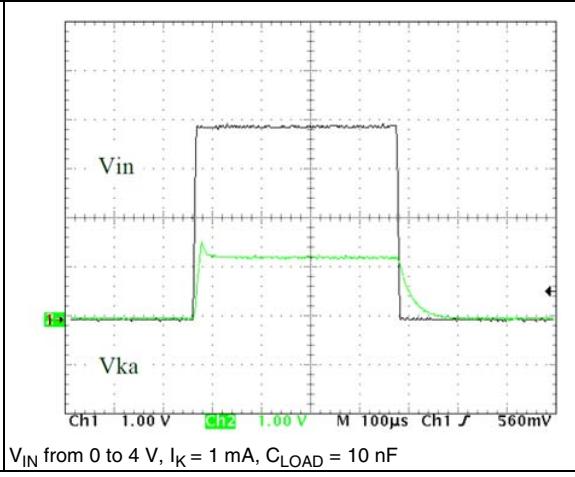


Figure 8. Cathode current vs. cathode voltage**Figure 9. ΔV_{ref} vs. ΔV_{KA}** **Figure 10. Wideband noise****Figure 11. Gain and phase vs. frequency****Figure 12. Turn-on (no C_{LOAD})****Figure 13. Turn-on (C_{LOAD} = 10 nF)**

5 Package mechanical data

In order to meet environmental requirements, ST offers these devices in different grades of ECOPACK® packages, depending on their level of environmental compliance. ECOPACK specifications, grade definitions and product status are available at: www.st.com.
ECOPACK is an ST trademark.

Table 6. SOT23-3L mechanical data

Dim.	mm		
	Min.	Typ.	Max.
A	0.89		1.12
A1	0.01		0.10
A2	0.88	0.95	1.02
b	0.30		0.50
c	0.08		0.20
D	2.80	2.90	3.04
E	2.10		2.64
E1	1.20	1.30	1.40
e		0.95	
e1		1.90	
L	0.40	0.50	0.60
L1		0.54	
k	0°		8°

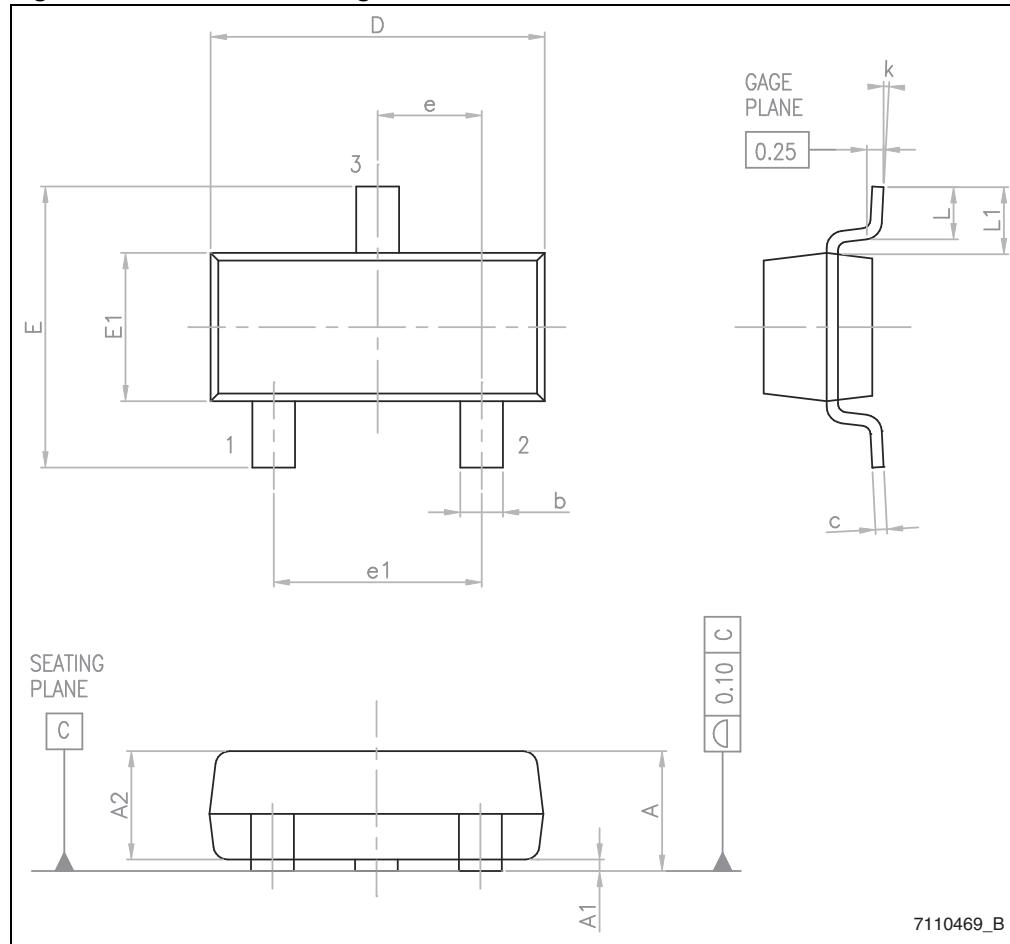
Figure 14. SOT23-3L drawing dimensions

Table 7. SOT23-5L mechanical data

Dim.	mm		
	Min.	Typ.	Max.
A	0.90	1.20	1.45
A1			0.15
A2	0.90	1.05	1.30
B	0.35	0.40	0.50
C	0.09	0.15	0.20
D	2.80	2.90	3.00
D1		1.90	
e		0.95	
E	2.60	2.80	3.00
F	1.50	1.60	1.75
L	0.10	0.35	0.60
K	0°		10°

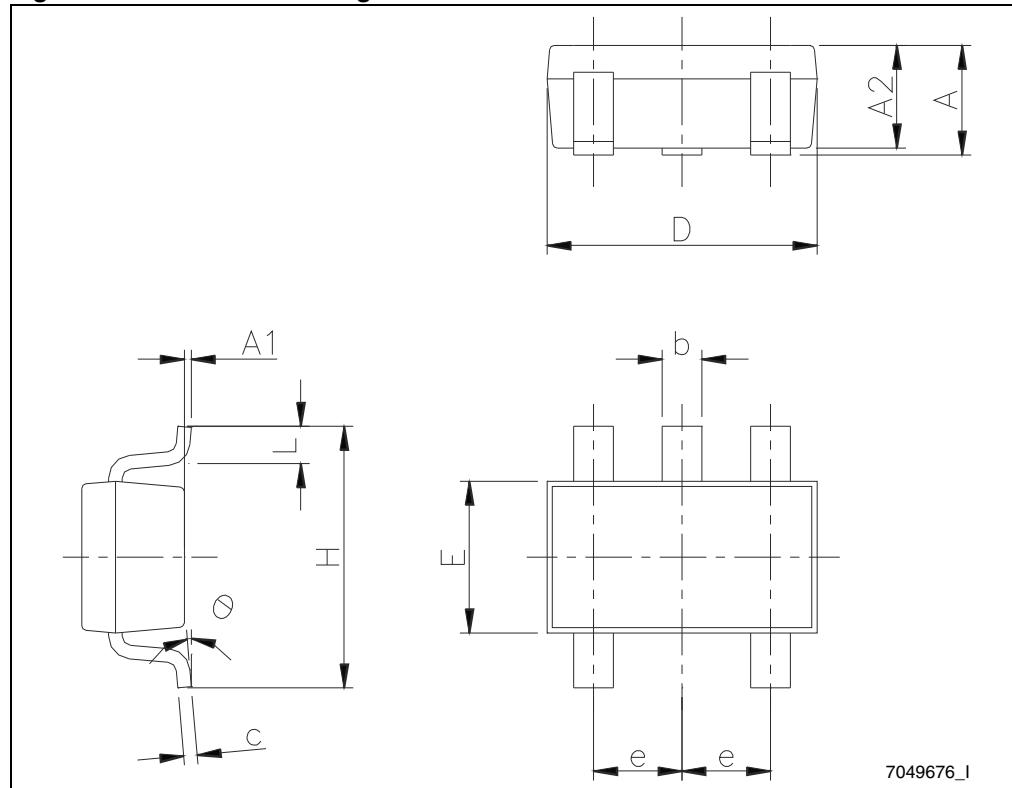
Figure 15. SOT23-5L drawing dimensions

Table 8. SOT323-6L mechanical data

Dim.	mm		
	Min.	Typ.	Max.
A	0.80		1.10
A1	0		0.10
A2	0.80		1.00
b	0.15		0.30
c	0.10		0.18
D	1.80		2.20
E	1.15		1.35
e		0.65	
HE	1.80		2.40
L	0.10		0.40
Q1	0.10		0.40

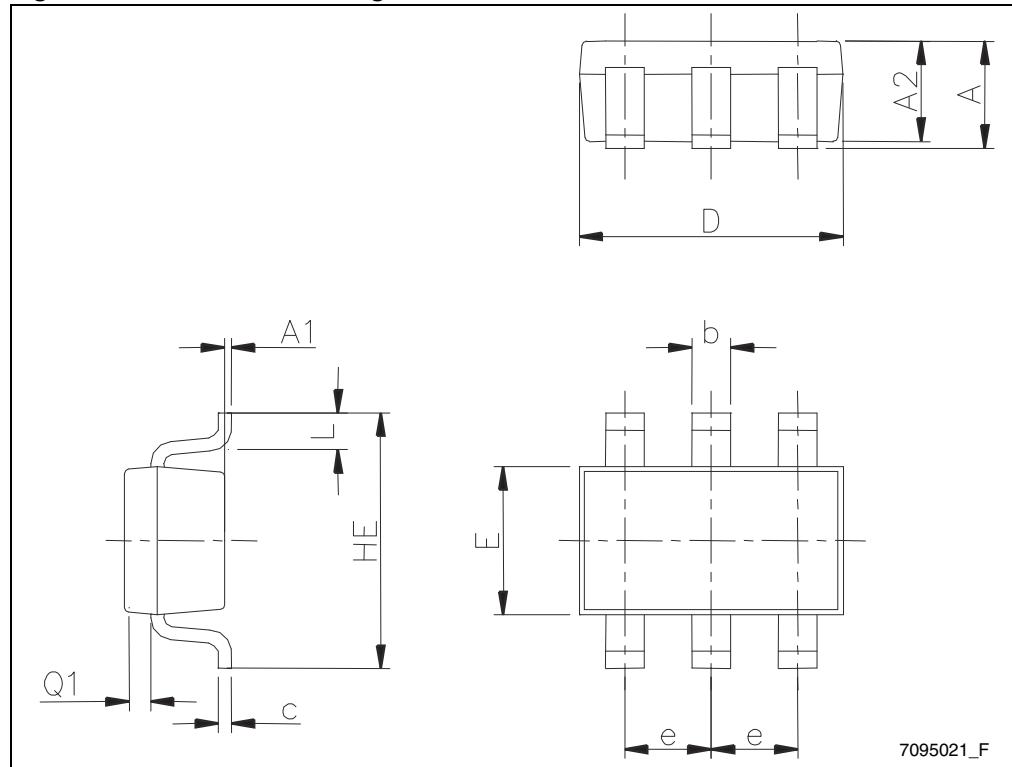
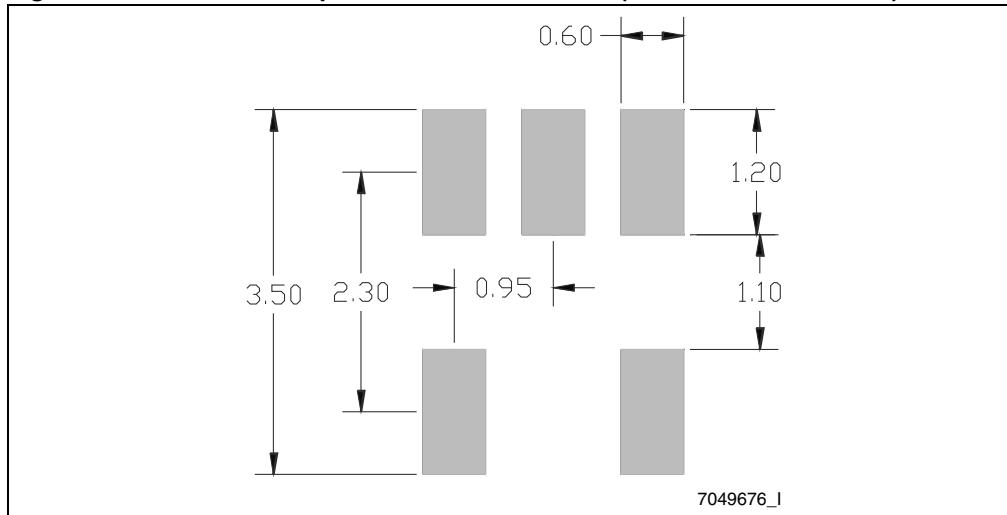
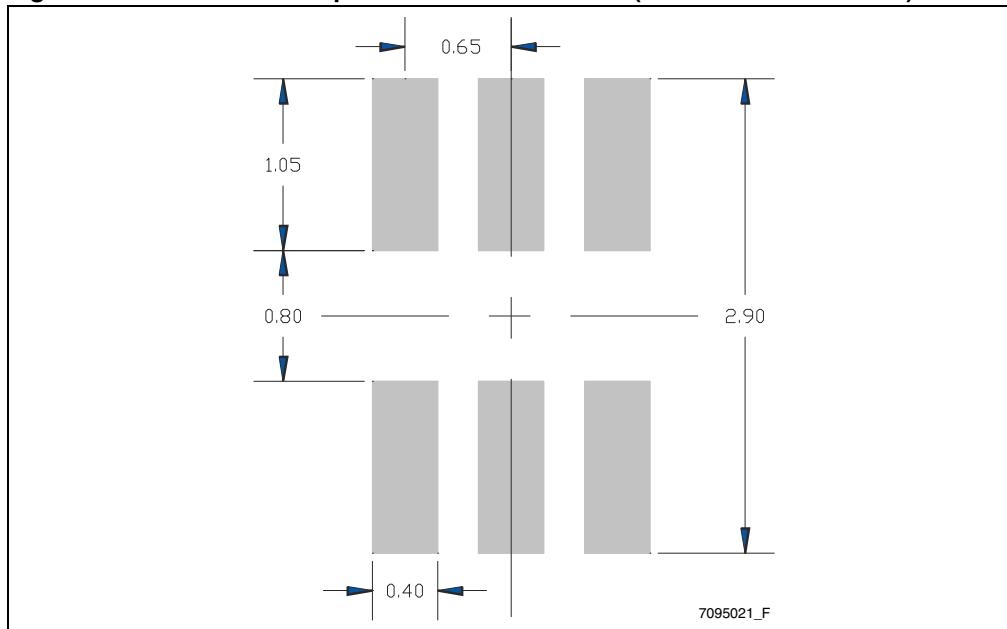
Figure 16. SOT323-6L drawing dimensions

Figure 17. SOT23-5L footprint recommended data (dimensions are in mm)**Figure 18. SOT323-6L footprint recommended data (dimensions are in mm)**

6 Revision History

Table 9. Document revision history

Date	Revision	Changes
13-Jun-2012	1	Initial release.



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