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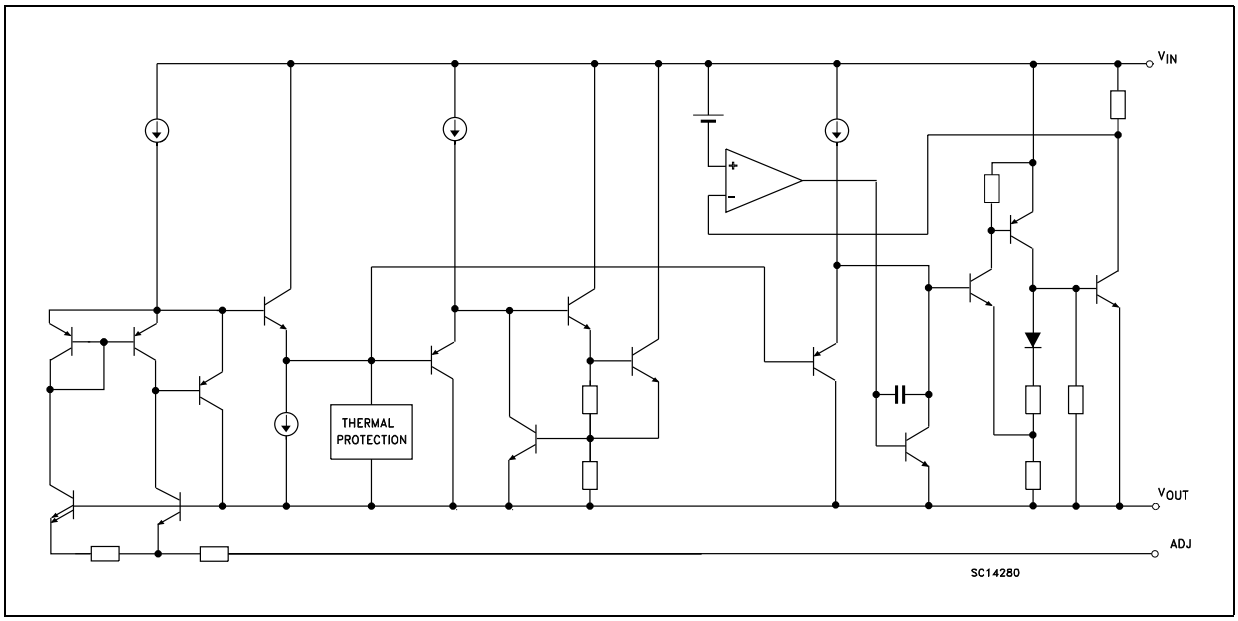
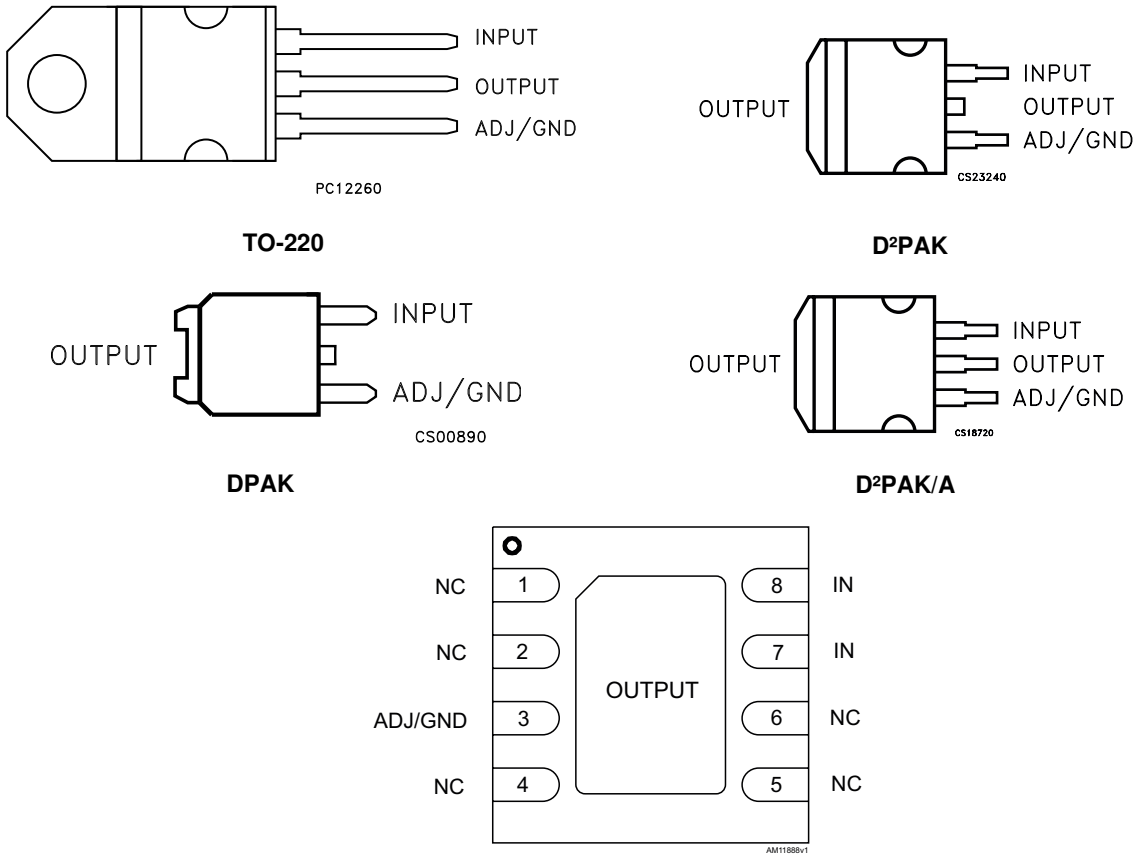
Figure 1. Schematic diagram



2 Pin configuration

Figure 2. Pin connections (top view)



Note: The TAB is physically connected to the output (this is valid for the TO-220 package too).

3 Maximum ratings

Table 1. Absolute maximum ratings

Symbol	Parameter	Value	Unit
V_I	DC input voltage	30	V
I_O	Output current	Internally Limited	mA
P_D	Power dissipation	Internally Limited	mW
T_{STG}	Storage temperature range	-55 to +150	°C
T_J	Junction temperature range	-40 to +150	°C

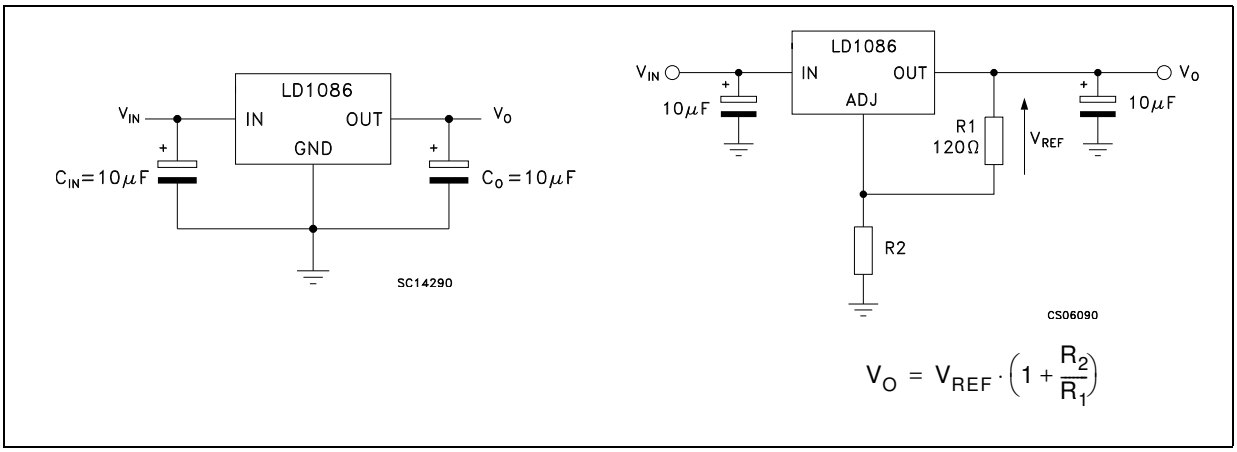
Note: Absolute maximum ratings are those values beyond which damage to the device may occur. Functional operation under these conditions is not implied.

Table 2. Thermal data

Symbol	Parameter	TO-220	D²PAK D²PAK/A	DPAK	DFN8 (4x4)	Unit
R_{thJC}	Thermal resistance junction-case	5	3	8	1.5	°C/W
R_{thJA}	Thermal resistance junction-ambient	50	62.5	100	33	°C/W

4 Schematic application

Figure 3. Application circuit



5 Electrical characteristics

V_I = 4.8 V, C_I = C_O =10 µF, T_A = -40 to 125 °C, unless otherwise specified.

Table 3. Electrical characteristics of LD1086#18

Symbol	Parameter	Test conditions	Min.	Typ.	Max.	Unit
V_O	Output voltage (1)	I_O = 0 mA, T_J = 25 °C	1.782	1.8	1.818	V
		I_O = 0 to 1.5 A, V_I = 3.4 to 30 V	1.764	1.8	1.836	V
ΔV_O	Line regulation	I_O = 0 mA, V_I = 3.4 to 18 V, T_J = 25 °C		0.2	4	mV
		I_O = 0 mA, V_I = 3.4 to 15 V		0.4	4	mV
ΔV_O	Load regulation	I_O = 0 to 1.5 A, T_J = 25 °C		0.5	8	mV
		I_O = 0 to 1.5 A		1	16	mV
V_d	Dropout voltage	I_O = 1.5 A		1.3	1.5	V
I_q	Quiescent current	$V_I \leq$ 30 V		5	10	mA
I_{sc}	Short-circuit current	V_I - V_O = 5 V	1.5	2		A
		V_I - V_O = 25 V	0.05	0.02		A
	Thermal regulation	T_A = 25 °C, 30 ms pulse		0.01	0.04	%/W
SVR	Supply voltage rejection	f = 120 Hz, C_O = 25 µF, I_O = 1.5 A V_I = 6.8 ± 3 V	60	82		dB
eN	RMS output noise voltage (% of V_O)	T_A = 25 °C, f =10 Hz to 10 kHz		0.003		%
S	Temperature stability			0.5		%
S	Long term stability	T_A = 125 °C, 1000 Hrs		0.5		%

1. See short-circuit current curve for available output current at fixed dropout.

V_I = 5.5 V, C_I = C_O =10 µF, T_A = -40 to 125 °C, unless otherwise specified.

Table 4. Electrical characteristics of LD1086#25

Symbol	Parameter	Test conditions	Min.	Typ.	Max.	Unit
V_O	Output voltage (1)	I_O = 0 mA, T_J = 25 °C	2.475	2.5	2.525	V
		I_O = 0 to 1.5 A, V_I = 4.1 to 30 V	2.45	2.5	2.55	V
ΔV_O	Line regulation	I_O = 0 mA, V_I = 4.1 to 18 V, T_J = 25 °C		0.2	4	mV
		I_O = 0 mA, V_I = 4.1 to 18 V		0.4	4	mV
ΔV_O	Load regulation	I_O = 0 to 1.5 A, T_J = 25 °C		0.5	8	mV
		I_O = 0 to 1.5 A		1	16	mV
V_d	Dropout voltage	I_O = 1.5 A		1.3	1.5	V
I_q	Quiescent current	$V_I \leq$ 30 V		5	10	mA
I_{sc}	Short-circuit current	V_I - V_O = 5 V	1.5	2		A
		V_I - V_O = 25 V	0.05	0.2		A
	Thermal regulation	T_A = 25 °C, 30 ms pulse		0.008	0.04	%/W
SVR	Supply voltage rejection	f = 120 Hz, C_O = 25 µF, I_O = 1.5 A V_I = 7.5 ± 3 V	60	81		dB
eN	RMS output noise voltage (% of V_O)	T_A = 25 °C, f =10 Hz to 10 kHz		0.003		%
S	Temperature stability			0.5		%
S	Long term stability	T_A = 125 °C, 1000 Hrs		0.5		%

1. See short-circuit current curve for available output current at fixed dropout.

V_I = 6.3 V, C_I = C_O =10 µF, T_A = -40 to 125 °C, unless otherwise specified.

Table 5. Electrical characteristics of LD1086#33

Symbol	Parameter	Test conditions	Min.	Typ.	Max.	Unit
V_O	Output voltage (1)	I_O = 0 mA, T_J = 25 °C	3.267	3.3	3.333	V
		I_O = 0 to 1.5 A, V_I = 4.9 to 30 V	3.234	3.3	3.366	V
ΔV_O	Line regulation	I_O = 0 mA, V_I = 4.9 to 18 V, T_J = 25 °C		0.5	6	mV
		I_O = 0 mA, V_I = 4.9 to 18 V		1	6	mV
ΔV_O	Load regulation	I_O = 0 to 1.5 A, T_J = 25 °C		1	10	mV
		I_O = 0 to 1.5 A		7	25	mV
V_d	Dropout voltage	I_O = 1.5 A		1.3	1.5	V
I_q	Quiescent current	$V_I \leq$ 30 V		5	10	mA
I_{sc}	Short-circuit current	V_I - V_O = 5 V	1.5	2		A
		V_I - V_O = 25 V	0.05	0.2		A
	Thermal regulation	T_A = 25 °C, 30 ms pulse		0.008	0.04	%/W
SVR	Supply voltage rejection	f = 120 Hz, C_O = 25 µF, I_O = 1.5 A V_I = 8.3 ± 3 V	60	79		dB
eN	RMS output noise voltage (% of V_O)	T_A = 25 °C, f =10 Hz to 10 kHz		0.003		%
S	Temperature stability			0.5		%
S	Long term stability	T_A = 125 °C, 1000 Hrs		0.5		%

1. See short-circuit current curve for available output current at fixed dropout.

V_I = 8 V, C_I = C_O =10 µF, T_A = -40 to 125 °C, unless otherwise specified.

Table 6. Electrical characteristics of LD1086#50

Symbol	Parameter	Test conditions	Min.	Typ.	Max.	Unit
V_O	Output voltage (1)	I_O = 0 mA, T_J = 25 °C	4.95	5	5.05	V
		I_O = 0 to 1.5 A, V_I = 6.6 to 30 V	4.9	5	5.1	V
ΔV_O	Line regulation	I_O = 0 mA, V_I = 6.6 to 20V, T_J = 25 °C		0.5	10	mV
		I_O = 0 mA, V_I = 6.6 to 20 V		1	10	mV
ΔV_O	Load regulation	I_O = 0 to 1.5 A, T_J = 25 °C		5	20	mV
		I_O = 0 to 1.5 A		10	35	mV
V_d	Dropout voltage	I_O = 1.5 A		1.3	1.5	V
I_q	Quiescent current	$V_I \leq$ 30 V		5	10	mA
I_{sc}	Short-circuit current	V_I - V_O = 5 V	1.5	2		A
		V_I - V_O = 25 V	0.05	0.2		A
	Thermal regulation	T_A = 25 °C, 30 ms pulse		0.01	0.04	%/W
SVR	Supply voltage rejection	f = 120 Hz, C_O = 25 µF, I_O = 1.5 A V_I = 10 ± 3 V	60	75		dB
eN	RMS output noise voltage (% of V_O)	T_A = 25 °C, f =10 Hz to 10 kHz		0.003		%
S	Temperature stability			0.5		%
S	Long term stability	T_A = 125 °C, 1000 Hrs		0.5		%

1. See short-circuit current curve for available output current at fixed dropout.

V_I = 4.25 V, C_I = C_O =10 µF, T_A = -40 to 125 °C, unless otherwise specified.

Table 7. Electrical characteristics of LD1086B#

Symbol	Parameter	Test conditions	Min.	Typ.	Max.	Unit
V_{ref}	Reference voltage (1)	I_O = 10 mA T_J = 25 °C	1.231	1.25	1.269	V
		I_O = 10 mA to 1.5 A, V_I = 2.85 to 30 V	1.219	1.25	1.281	V
ΔV_O	Line regulation	I_O = 10 mA, V_I = 2.8 to 16.5 V, T_J = 25 °C		0.015	0.2	%
		I_O = 10 mA, V_I = 2.8 to 16.5 V		0.035	0.2	%
ΔV_O	Load regulation	I_O = 10 mA to 1.5 A, T_J = 25 °C		0.1	0.3	%
		I_O = 0 to 1.5 A		0.2	0.4	%
V_d	Dropout voltage	I_O = 1.5 A		1.3	1.5	V
$I_{O(min)}$	Minimum load current	V_I = 30 V		3	10	mA
I_{sc}	Short-circuit current	V_I - V_O = 5 V	1.5	2.3		A
		V_I - V_O = 25 V	0.05	0.2		A
	Thermal regulation	T_A = 25 °C, 30 ms pulse		0.01	0.04	%/W
SVR	Supply voltage rejection	f = 120 Hz, C_O = 25 µF,C_{ADJ} = 25 µF, I_O = 1.5 A, V_I = 6.25 ± 3 V	60	88		dB
I_{ADJ}	Adjust pin current	V_I = 4.25 V, I_O = 10 mA		40	120	µA
ΔI_{ADJ}	Adjust pin current change (1)	I_O = 10 mA to 1.5 A, V_I = 2.8 to 16.5 V		0.2	5	µA
eN	RMS output noise voltage (% of V_O)	T_A = 25 °C, f =10 Hz to 10 kHz		0.003		%
S	Temperature stability			0.5		%
S	Long term stability	T_A = 125 °C, 1000 Hrs		0.5		%

1. See short-circuit current curve for available output current at fixed dropout.

V_I = 4.25 V, C_I = C_O =10 µF, T_A = -40 to 125 °C, unless otherwise specified.

Table 8. Electrical characteristics of LD1086#

Symbol	Parameter	Test conditions	Min.	Typ.	Max.	Unit
V_{ref}	Reference voltage (1)	I_O = 10 mA T_J = 25 °C	1.237	1.25	1.263	V
		I_O = 10 mA to 1.5 A, V_I = 2.85 to 30 V	1.225	1.25	1.275	V
ΔV_O	Line regulation	I_O = 10 mA, V_I = 2.8 to 16.5 V, T_J = 25 °C		0.015	0.2	%
		I_O = 10 mA, V_I = 2.8 to 16.5 V		0.035	0.2	%
ΔV_O	Load regulation	I_O = 10 mA to 1.5 A, T_J = 25 °C		0.1	0.3	%
		I_O = 0 to 1.5 A		0.2	0.4	%
V_d	Dropout voltage	I_O = 1.5 A		1.3	1.5	V
$I_{O(min)}$	Minimum load current	V_I = 30 V		3	10	mA
I_{sc}	Short-circuit current	V_I - V_O = 5 V	1.5	2.3		A
		V_I - V_O = 25 V	0.05	0.2		A
	Thermal regulation	T_A = 25 °C, 30 ms pulse		0.01	0.04	%/W
SVR	Supply voltage rejection	f = 120 Hz, C_O = 25 µF,C_{ADJ} = 25 µF, I_O = 1.5 A, V_I = 6.25 ± 3 V	60	88		dB
I_{ADJ}	Adjust pin current	V_I = 4.25 V, I_O = 10 mA		40	120	µA
ΔI_{ADJ}	Adjust pin current change (1)	I_O = 10 mA to 1.5 A, V_I = 2.8 to 16.5 V		0.2	5	µA
eN	RMS output noise voltage (% of V_O)	T_A = 25 °C, f =10 Hz to 10 kHz		0.003		%
S	Temperature stability			0.5		%
S	Long term stability	T_A = 125 °C, 1000 Hrs		0.5		%

1. See short-circuit current curve for available output current at fixed dropout.

V_I = 4.25 V, C_I = C_O =10 µF, T_A = -40 to 125 °C, unless otherwise specified.

Table 9. Electrical characteristics of LD1086DTTRY and LD1086VY (Automotive grade)

Symbol	Parameter	Test conditions	Min.	Typ.	Max.	Unit
V_{ref}	Reference voltage (1)	I_O = 10 mA T_A = 25 °C	1.237	1.25	1.263	V
		I_O = 10 mA to 1.5 A, V_I = 2.85 to 30 V	1.225	1.25	1.275	V
ΔV_O	Line regulation	I_O = 10 mA, V_I = 2.8 to 16.5 V		0.035	0.2	%
ΔV_O	Load regulation	I_O = 0 to 1.5 A		0.2	0.4	%
V_d	Dropout voltage	I_O = 1.5 A		1.3	1.5	V
$I_{O(min)}$	Minimum load current	V_I = 30 V		3	10	mA
I_{sc}	Short-circuit current	V_I - V_O = 5 V, T_A = 25 °C	1.5	2.3		A
		V_I - V_O = 25 V, T_A = 25 °C	0.05	0.2		A
	Thermal regulation	T_A = 25 °C, 30 ms pulse		0.01	0.04	%/W
SVR	Supply voltage rejection	f = 120 Hz, C_O = 25 µF,C_{ADJ} = 25 µF, I_O = 1.5 A, V_I = 6.25 ± 3 V, T_A = 25 °C	60	88		dB
I_{ADJ}	Adjust pin current	V_I = 4.25 V, I_O = 10 mA		40	120	µA
ΔI_{ADJ}	Adjust pin current change (1)	I_O = 10 mA to 1.5 A, V_I = 2.8 to 16.5 V		0.2	5	µA
eN	RMS output noise voltage (% of V_O)	T_A = 25 °C, f =10 Hz to 10 kHz		0.003		%
S	Temperature stability			0.5		%
S	Long term stability	T_A = 125 °C, 1000 Hrs		0.5		%

1. See short-circuit current curve for available output current at fixed dropout.

6 Typical application

Unless otherwise specified T_J = 25 °C, C_I = C_O = 10 µF.

Figure 4. Output voltage vs. temp. (V_I = 5 V)

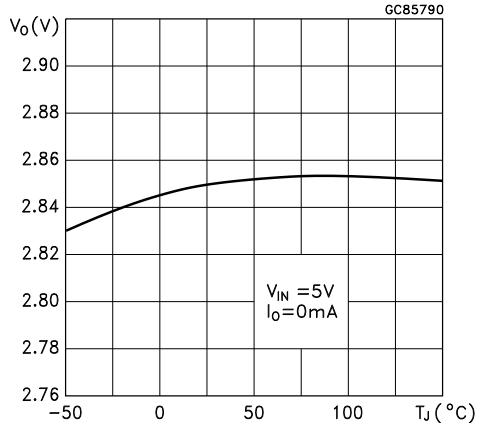


Figure 5. Output voltage vs. temp. (V_I = 4.25 V)

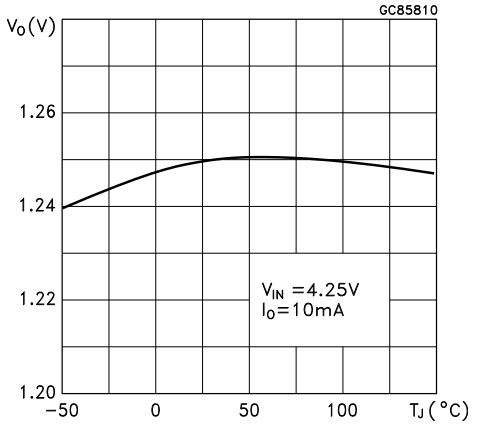


Figure 6. Short-circuit current vs. dropout voltage

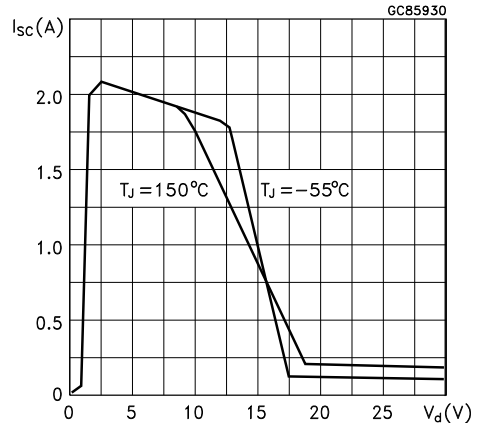


Figure 7. Line regulation vs. temperature

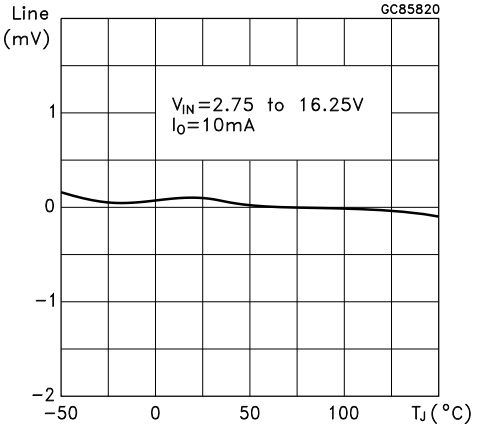


Figure 8. Load regulation vs. temperature

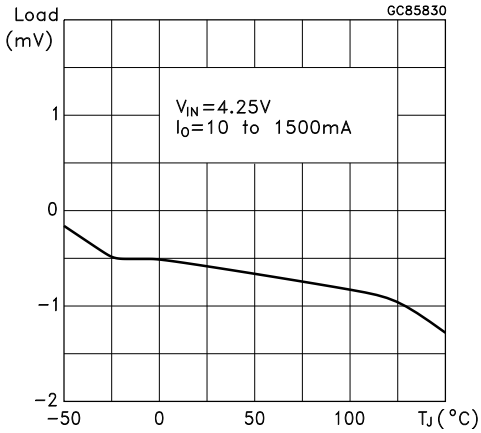


Figure 9. Dropout voltage vs. temperature

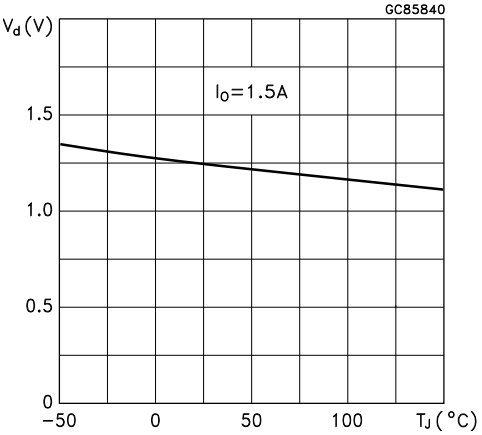


Figure 10. Dropout voltage vs. output current

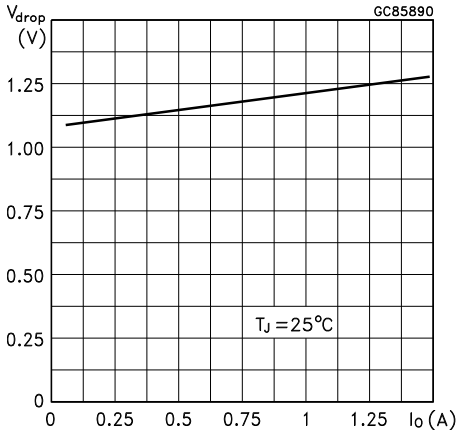


Figure 11. Adjust pin current vs. input voltage

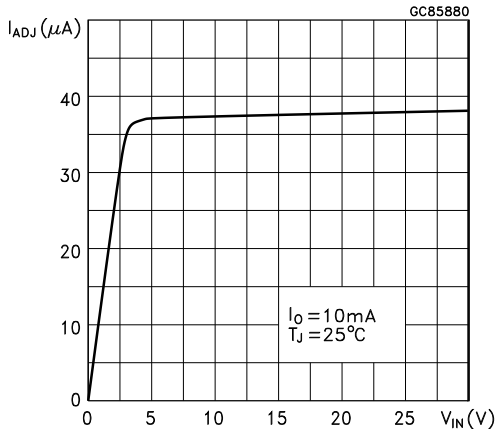


Figure 12. Adjust pin current vs. input voltage

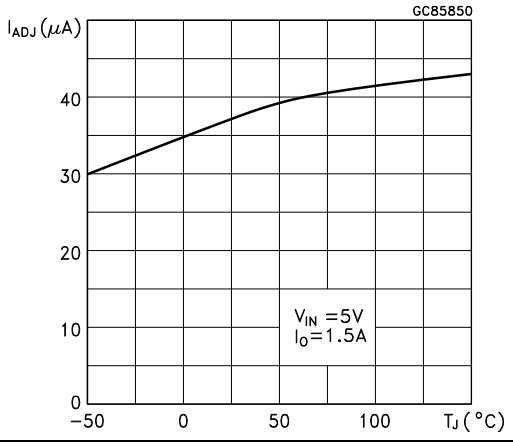


Figure 13. Adjust pin current vs. output current

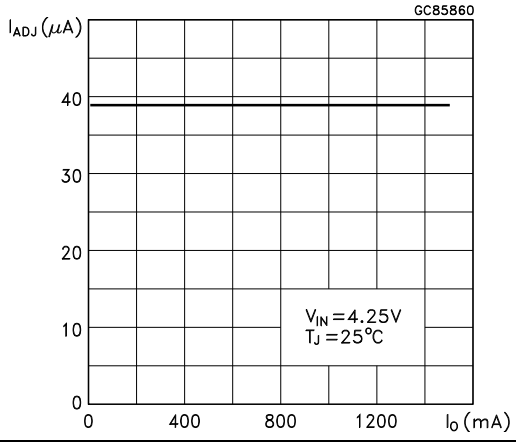


Figure 14. Quiescent current vs. output current

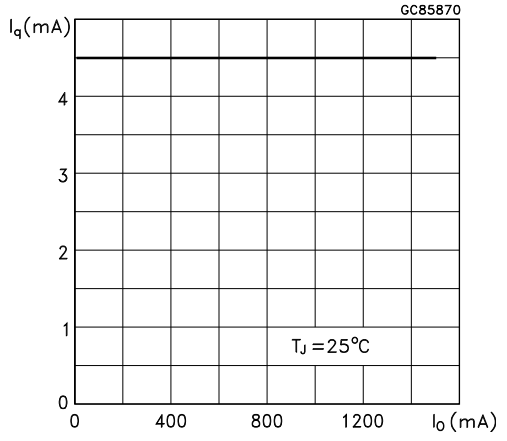


Figure 15. Quiescent current vs. input voltage

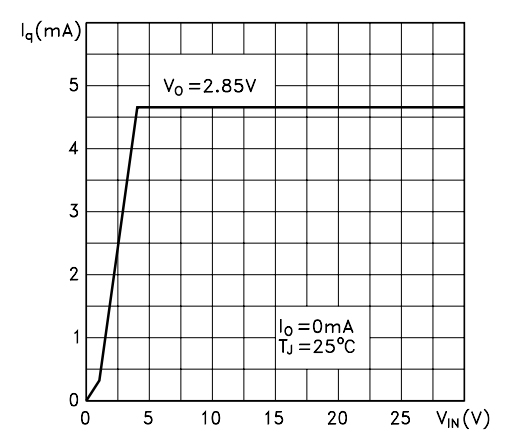


Figure 16. Supply voltage rejection vs. output current

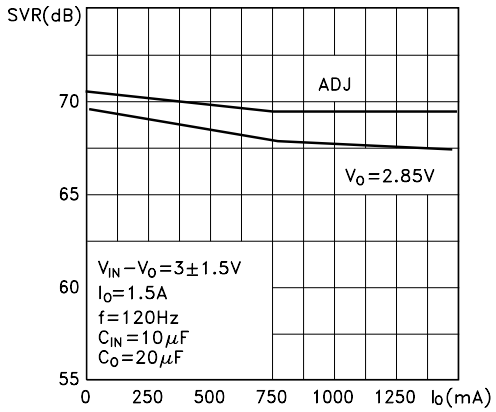


Figure 17. Supply voltage rejection vs. frequency

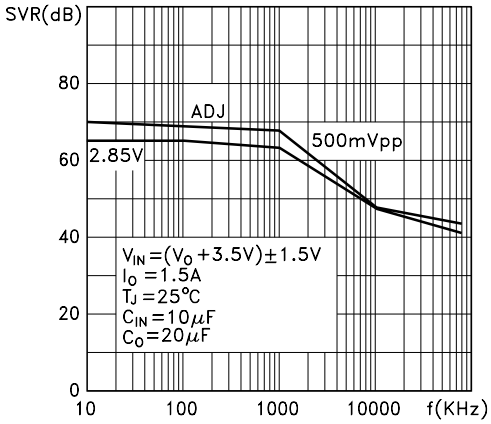


Figure 18. Supply voltage rejection vs. temperature

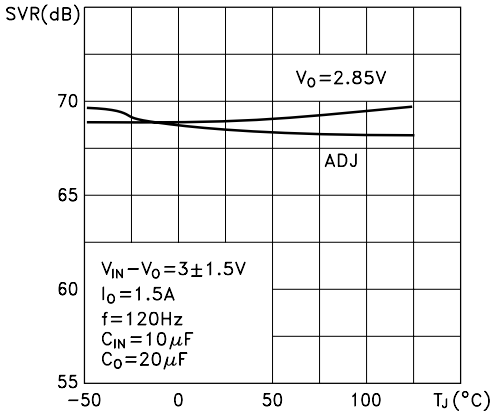


Figure 19. Minimum load current vs. temperature

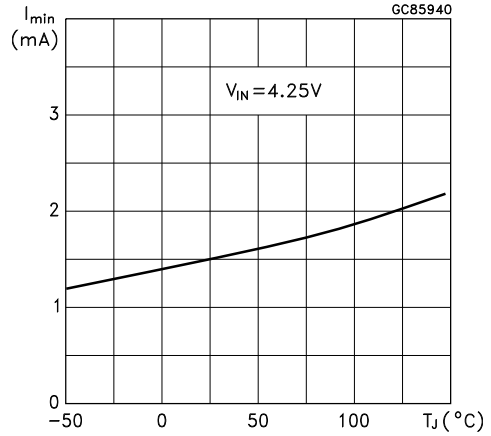


Figure 20. Stability for adjustable

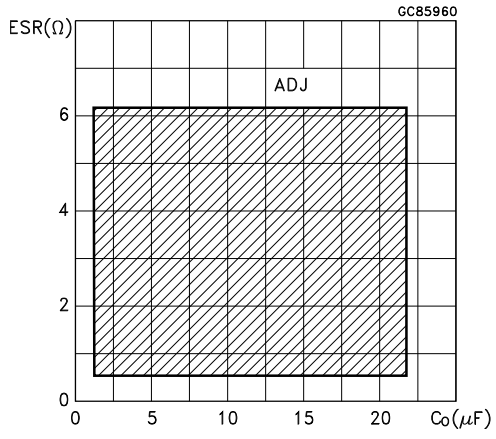


Figure 21. Stability for 2.85 V

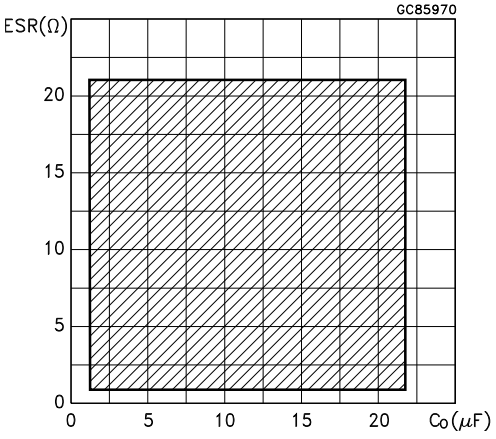
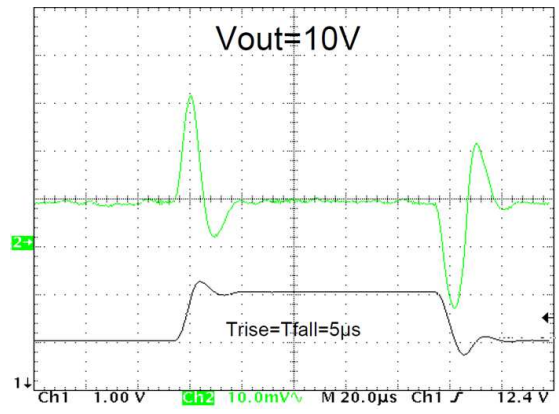
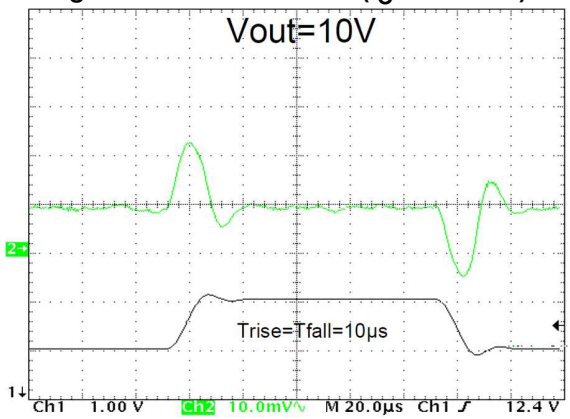


Figure 22. Line transient (V_I = 12 to 13 V)



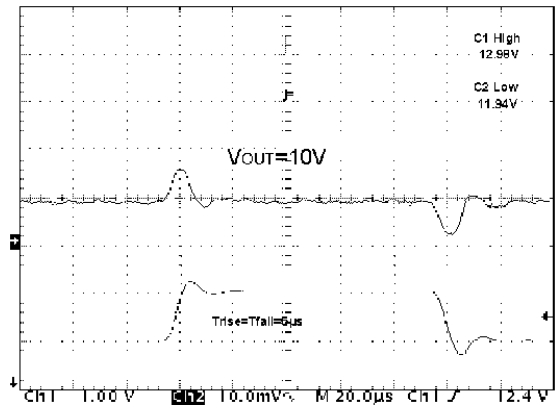
V_I = 12 to 13 V, I_O = 200 mA, C_I = 1 µF (tant), C_O = 10 µF (tant), No C_{ADJ}

Figure 23. Line transient (I_O = 200 mA)



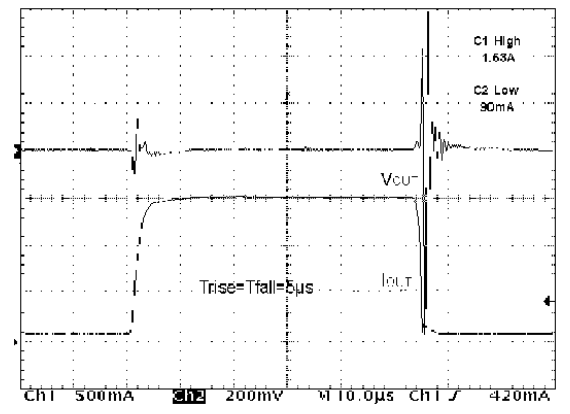
V_I = 12 to 13 V, I_O = 200 mA, C_I = 1 µF (tant), C_O = 10 µF (tant), No C_{ADJ}

Figure 24. Line transient (C_{ADJ} = 1 µF)



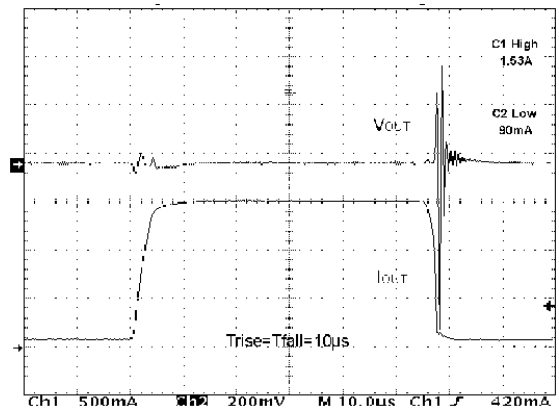
V_I = 12 to 13 V, I_O = 200 mA, C_I = 1 µF (tant), C_O = 10 µF (tant), C_{ADJ} = 1 µF

Figure 25. Load transient



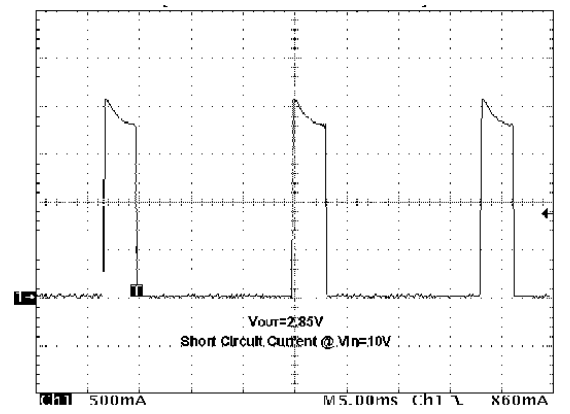
V_I = 13 V, I_O = 0.1 to 1.5 A, C_I = 1 µF (tant), C_O = 10 µF (tant) C_{ADJ} = 1 µF

Figure 26. Load transient (T_{rise} = T_{fall} = 10 µs)



V_I = 13 V, I_O = 0.1 to 1.5 A, C_I = 1 µF (tant), C_O = 10 µF (tant), C_{ADJ} = 1 µF

Figure 27. Thermal protection



V_O = 2.85 V

7 Package information

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.

7.1 TO-220 (STD-ST dual gauge) type A package information

Figure 28. TO-220 (STD-ST dual gauge) type A package outline

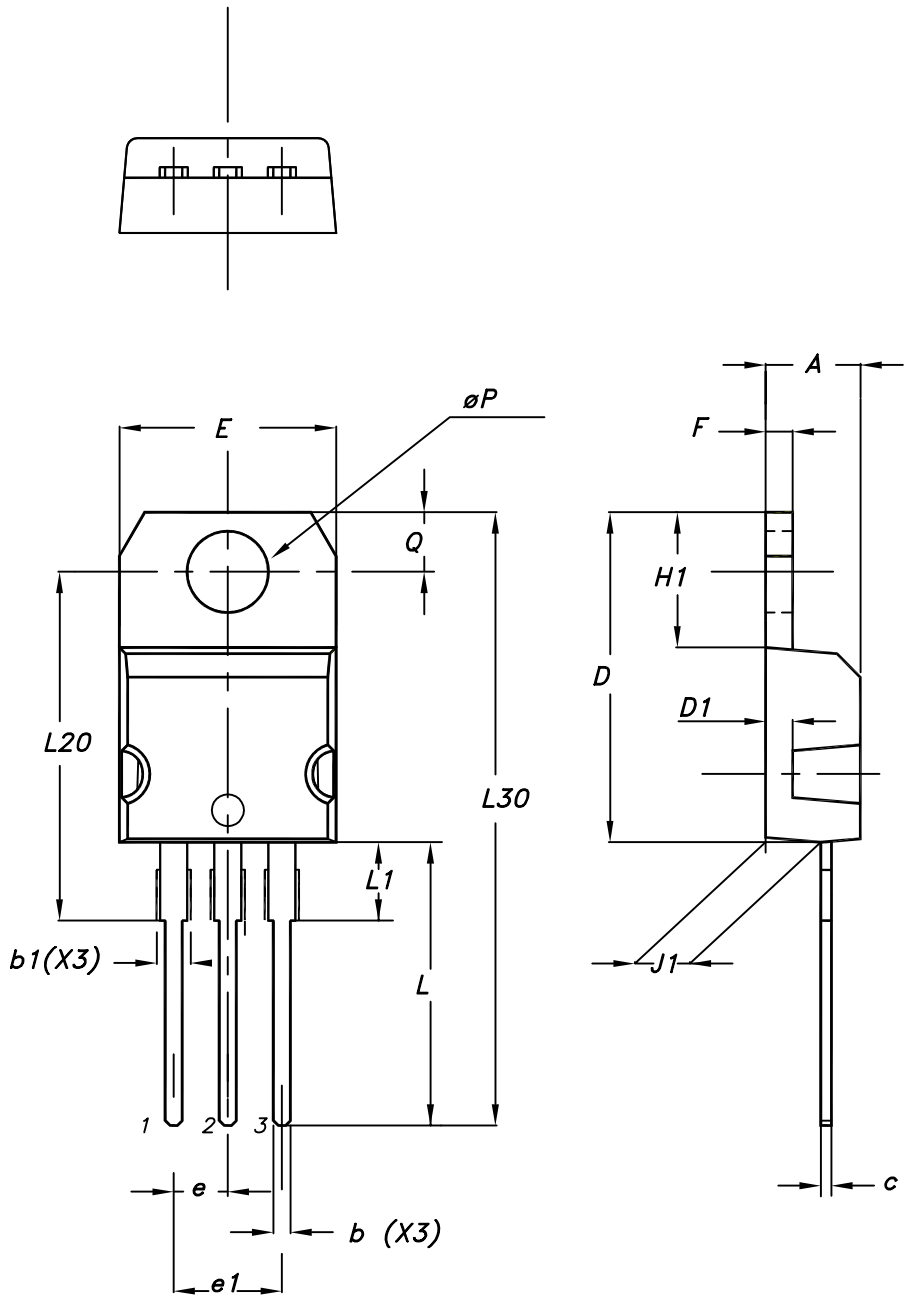


Table 10. TO-220 (STD-ST dual gauge) type A mechanical data

Dim.	mm		
	Min.	Typ.	Max.
A	4.40		4.60
b	0.61		0.88
b1	1.14		1.70
c	0.48		0.70
D	15.25		15.75
D1		1.27	
E	10		10.40
e	2.40		2.70
e1	4.95		5.15
F	1.23		1.32
H1	6.20		6.60
J1	2.40		2.72
L	13		14
L1	3.50		3.93
L20		16.40	
L30		28.90	
∅P	3.75		3.85
Q	2.65		2.95

7.2 DPAK package information

Figure 29. DPAK package outline

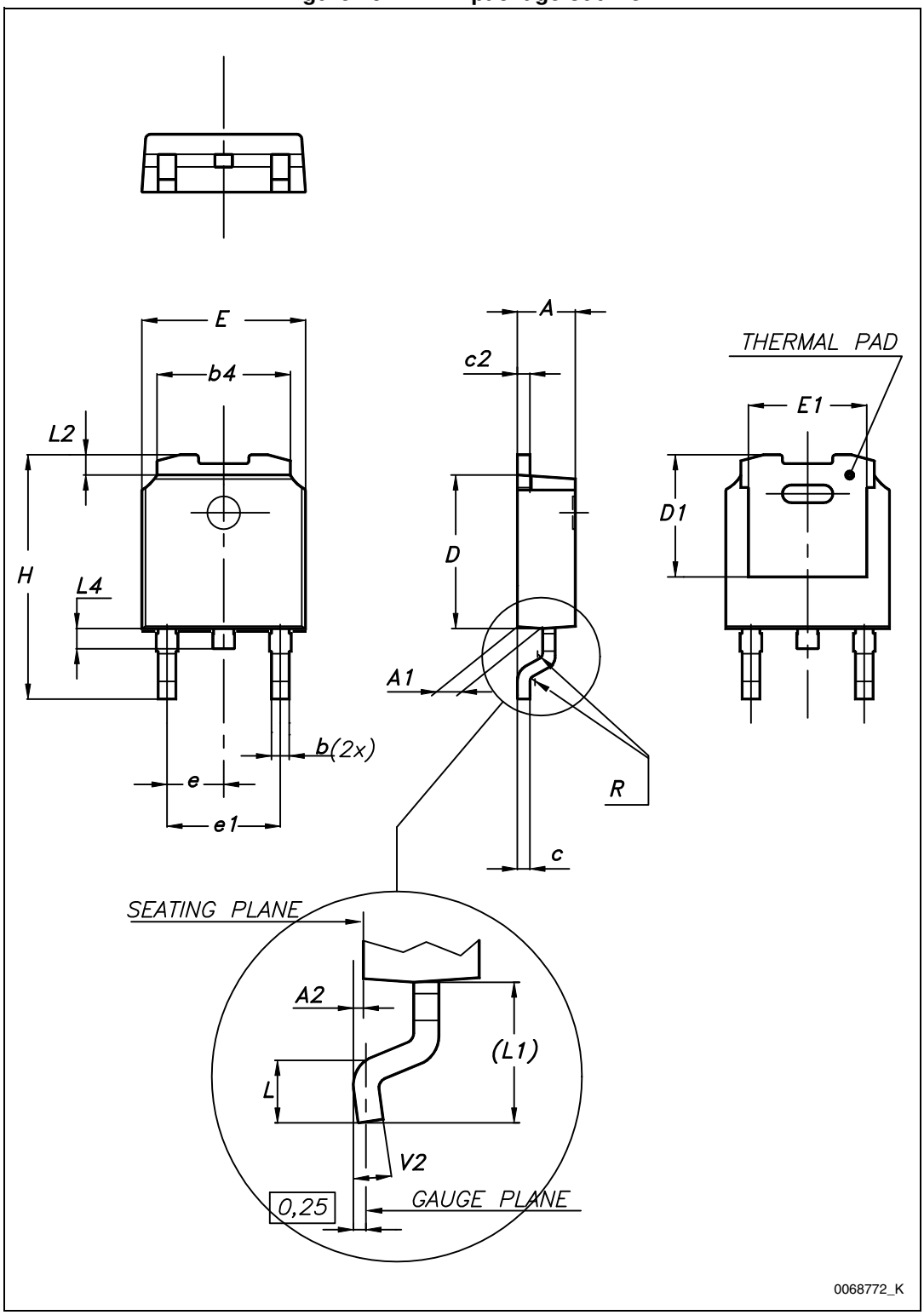
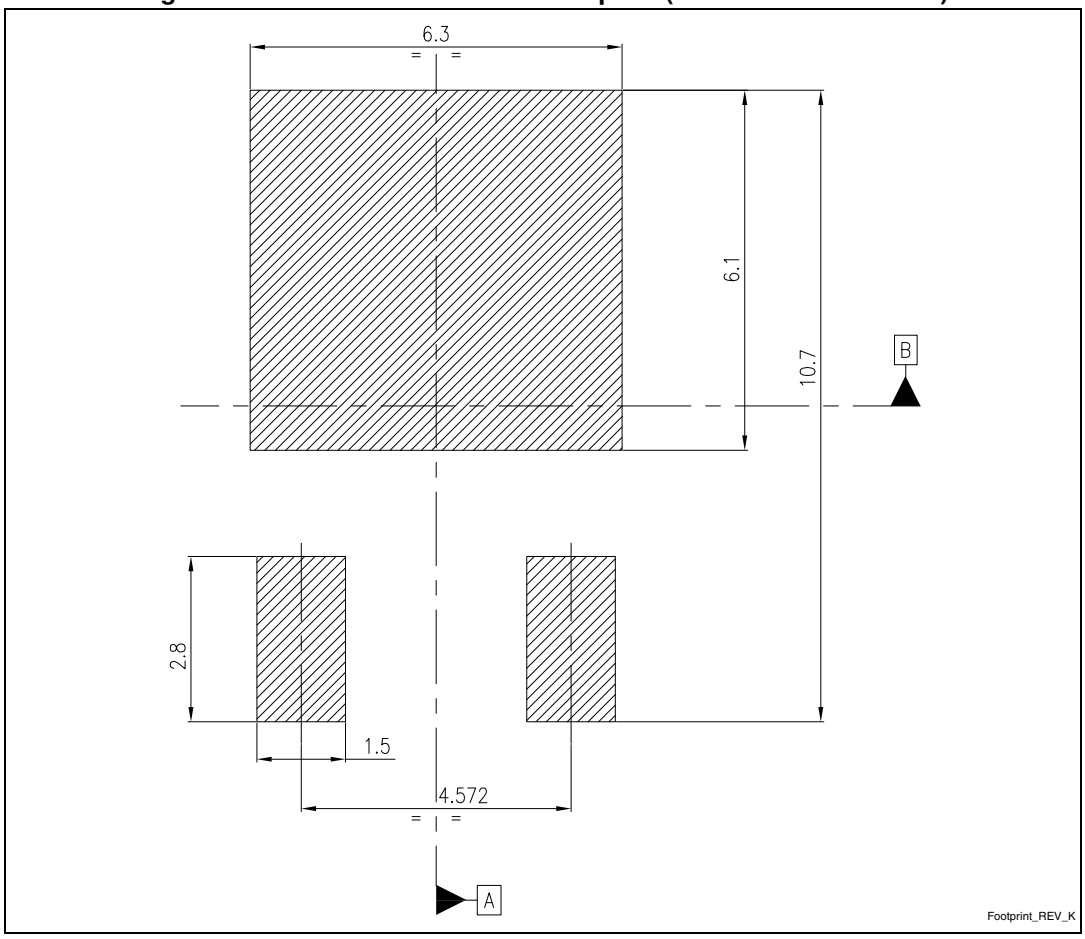


Table 11. DPAK mechanical data

Dim.	mm		
	Min.	Typ.	Max.
A	2.20		2.40
A1	0.90		1.10
A2	0.03		0.23
b	0.64		0.90
b4	5.20		5.40
c	0.45		0.60
c2	0.48		0.60
D	6.00		6.20
D1		5.10	
E	6.40		6.60
E1		4.70	
e		2.28	
e1	4.40		4.60
H	9.35		10.10
L	1.00		1.50
(L1)		2.80	
L2		0.80	
L4	0.60		1.00
R		0.20	
V2	0°		8°

Figure 30. DPAK recommended footprint (dimension are in mm)



7.3 D²PAK (SMD 2L STD-ST) type A package information

Figure 31. D²PAK (SMD 2L STD-ST) type A package outline

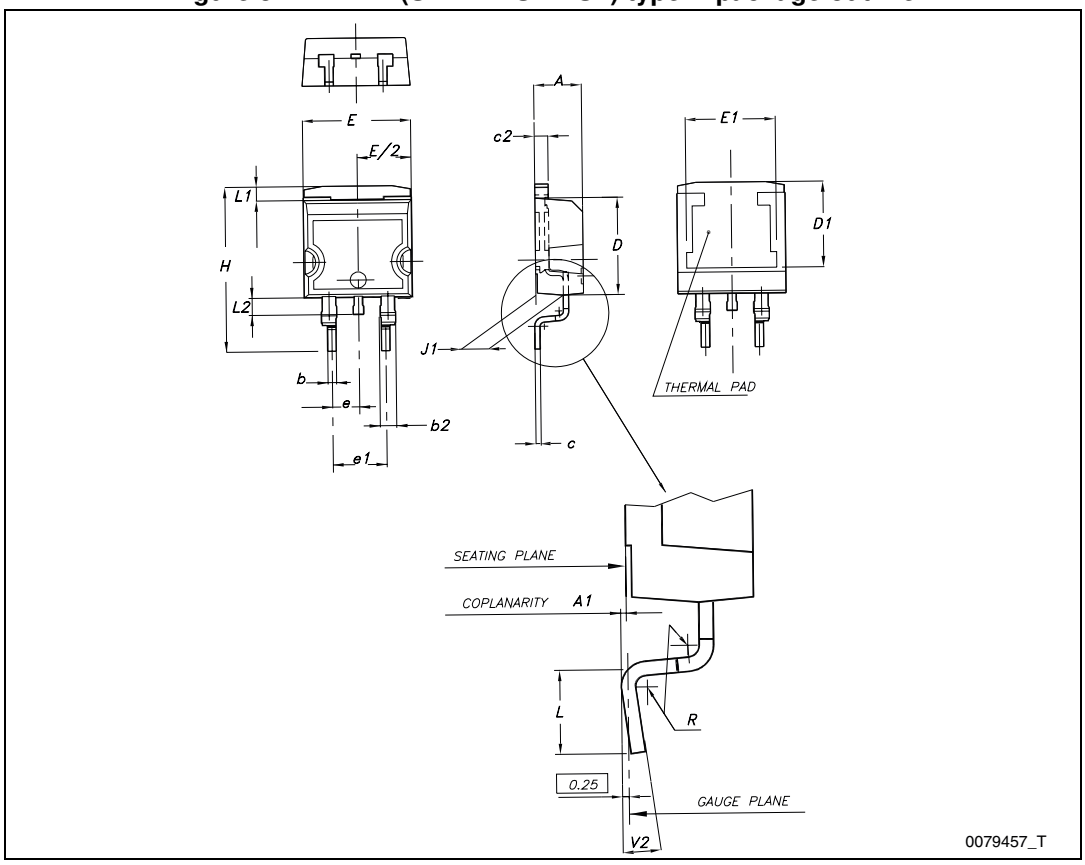


Table 12. D²PAK (SMD 2L STD-ST) type A mechanical data

Dim.	mm		
	Min.	Typ.	Max.
A	4.40		4.60
A1	0.03		0.23
b	0.70		0.93
b2	1.14		1.70
c	0.45		0.60
c2	1.23		1.36
D	8.95		9.35
D1	7.50		
E	10		10.40
E1	8.50		
e		2.54	
e1	4.88		5.28
H	15		15.85
J1	2.49		2.69
L	2.29		2.79
L1	1.27		1.40
L2	1.30		1.75
R		0.4	
V2	0°		8°

7.4 D²PAK (SMD 3L STD-ST) type A package information

Figure 32. D²PAK (SMD 3L STD-ST) type A outline

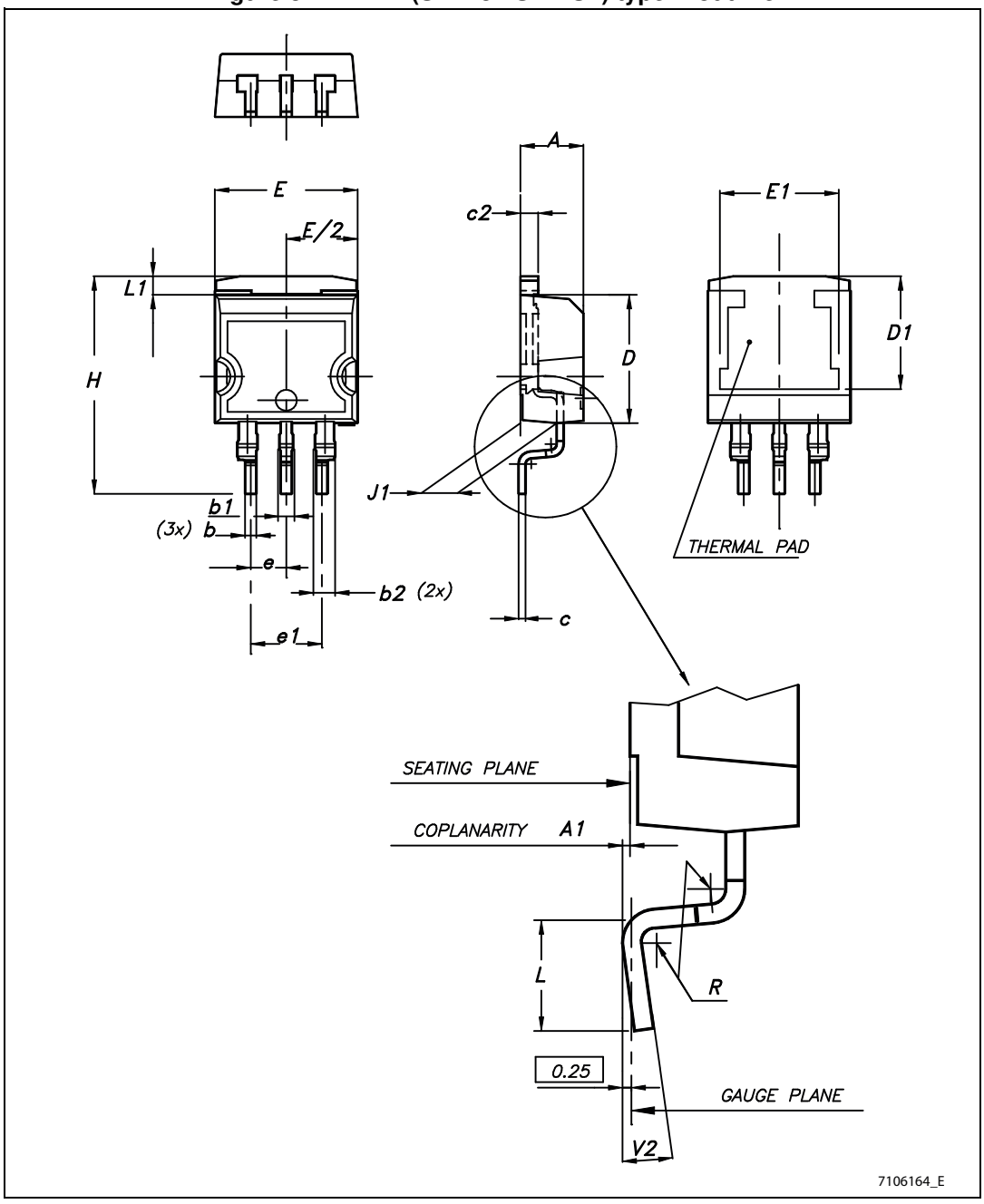
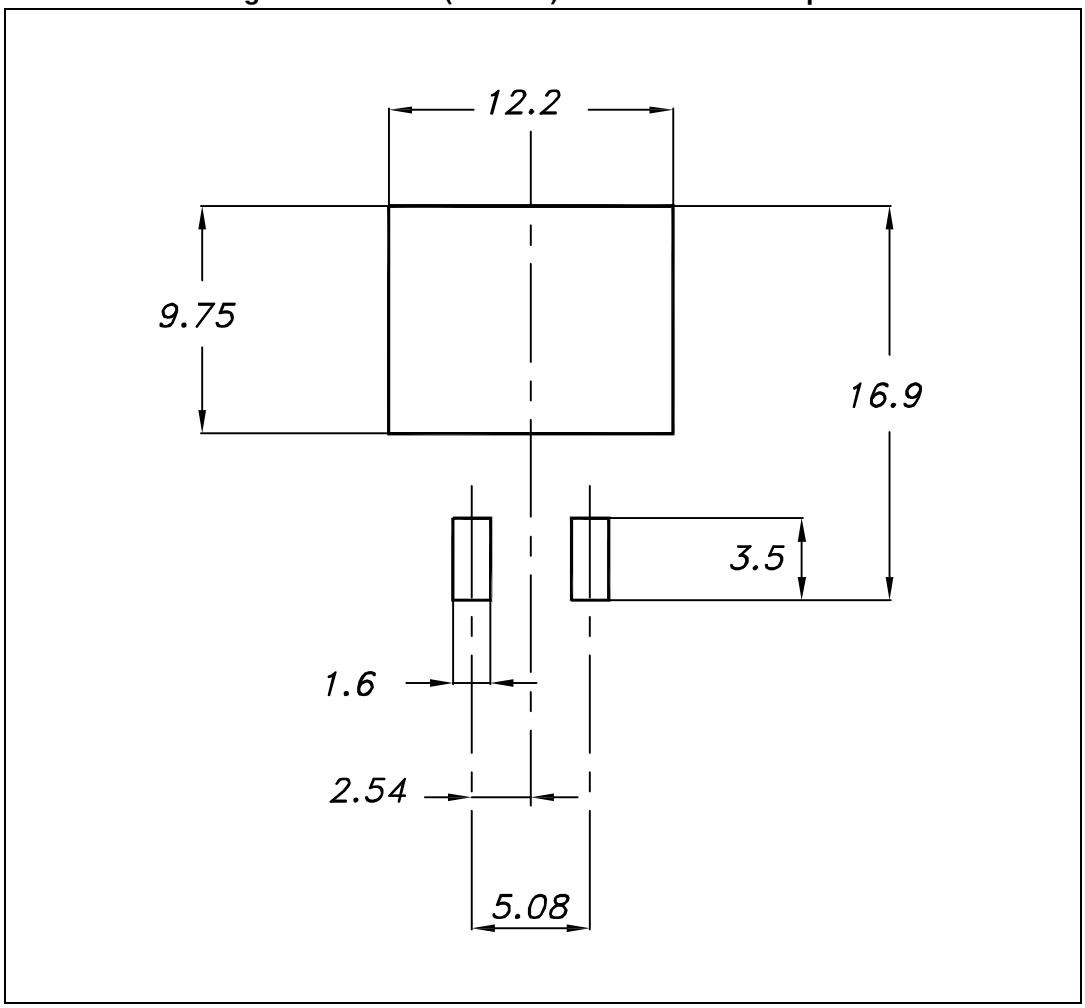


Table 13. D²PAK (SMD 3L STD-ST) type A mechanical data

Dim.	mm		
	Min.	Typ.	Max.
A	4.40		4.60
A1	0.03		0.23
b	0.70		0.93
b1	0.80		1.30
b2	1.14		1.70
c	0.45		0.60
c2	1.23		1.36
D	8.95		9.35
D1	7.50		
E	10		10.40
E1	8.50		
e		2.54	
e1	4.88		5.28
H	15		15.85
J1	2.49		2.69
L	2.29		2.79
L1	1.27		1.40
R		0.4	
V2	0°		8°

Figure 33. D²PAK (SMD 3L) recommended footprint



7.5 DPAK and D²PAK packing information

Figure 34. DPAK and D²PAK tape outline

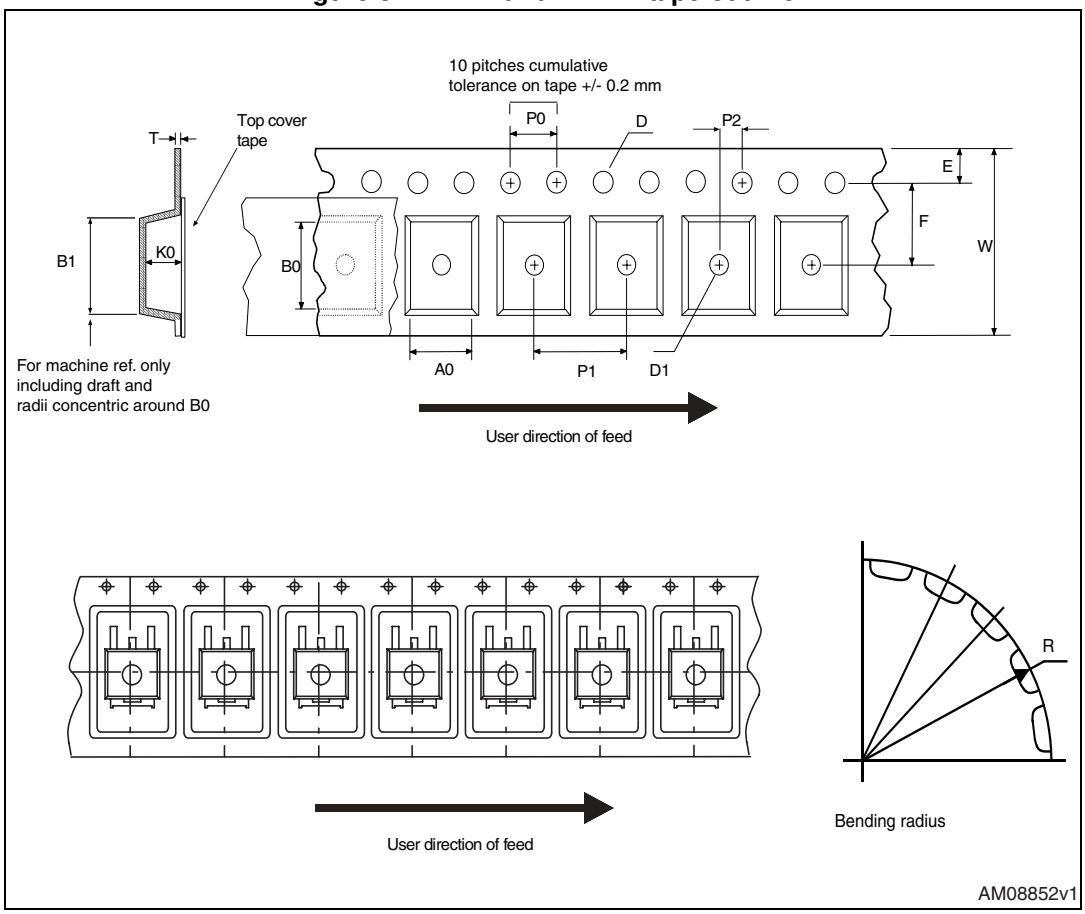


Figure 35. DPAK and D²PAK reel outline

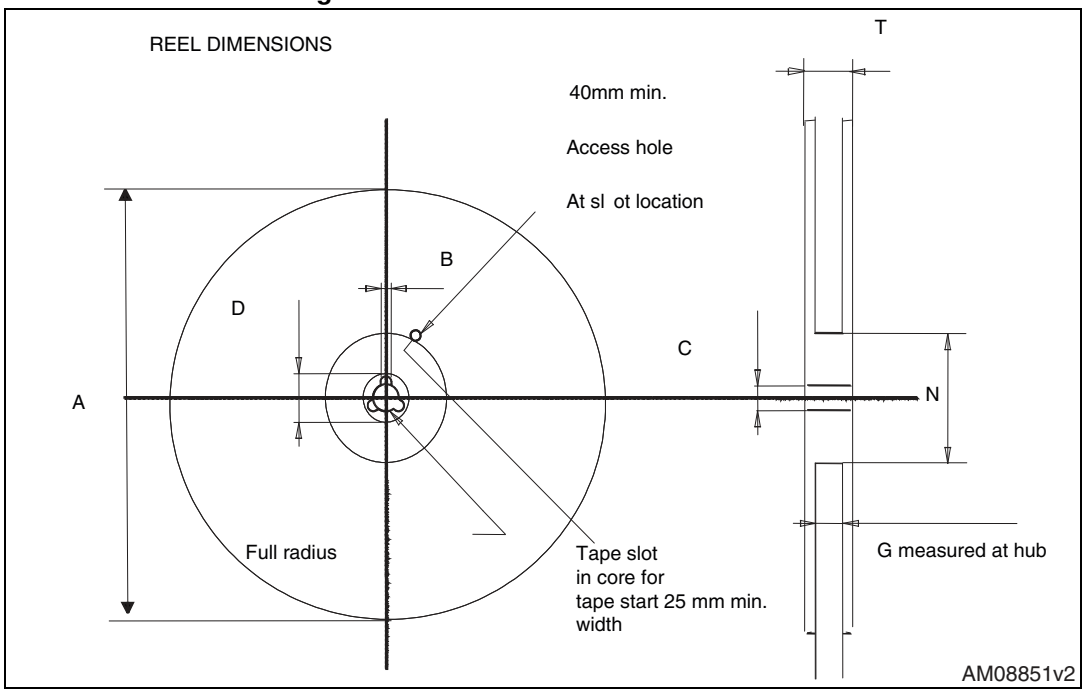


Table 14. DPAK and D²PAK tape and reel mechanical data

Tape			Reel		
Dim.	mm		Dim.	mm	
	Min.	Max.		Min.	Max.
A0	6.8	7	A		330
B0	10.4	10.6	B	1.5	
B1		12.1	C	12.8	13.2
D	1.5	1.6	D	20.2	
D1	1.5		G	16.4	18.4
E	1.65	1.85	N	50	
F	7.4	7.6	T		22.4
K0	2.55	2.75			
P0	3.9	4.1	Base qty.		2500
P1	7.9	8.1	Bulk qty.		2500
P2	1.9	2.1			
R	40				
T	0.25	0.35			
W	15.7	16.3			

7.6 DFN8 (4x4) package information

Figure 36. DFN8 (4x4) package outline

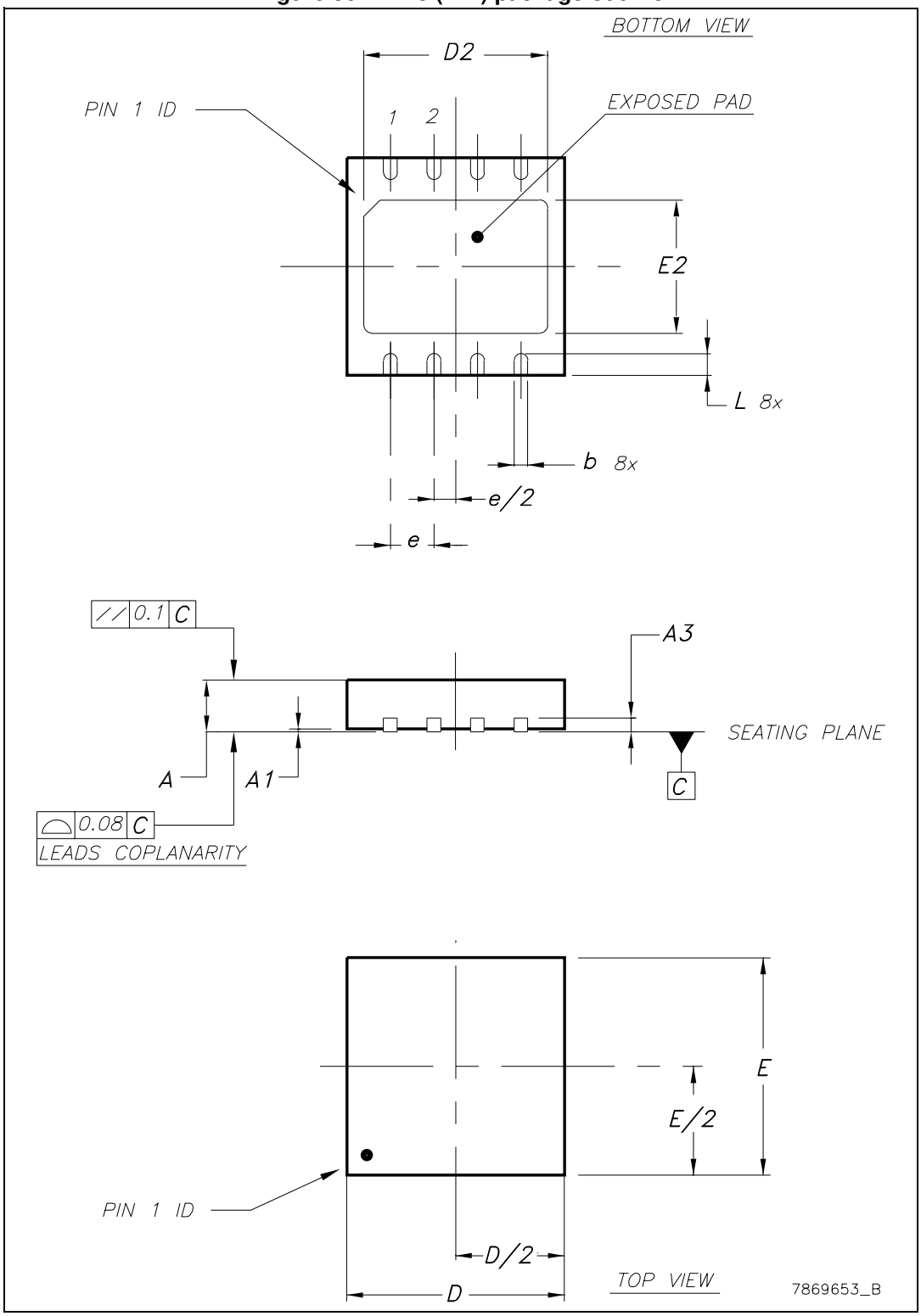
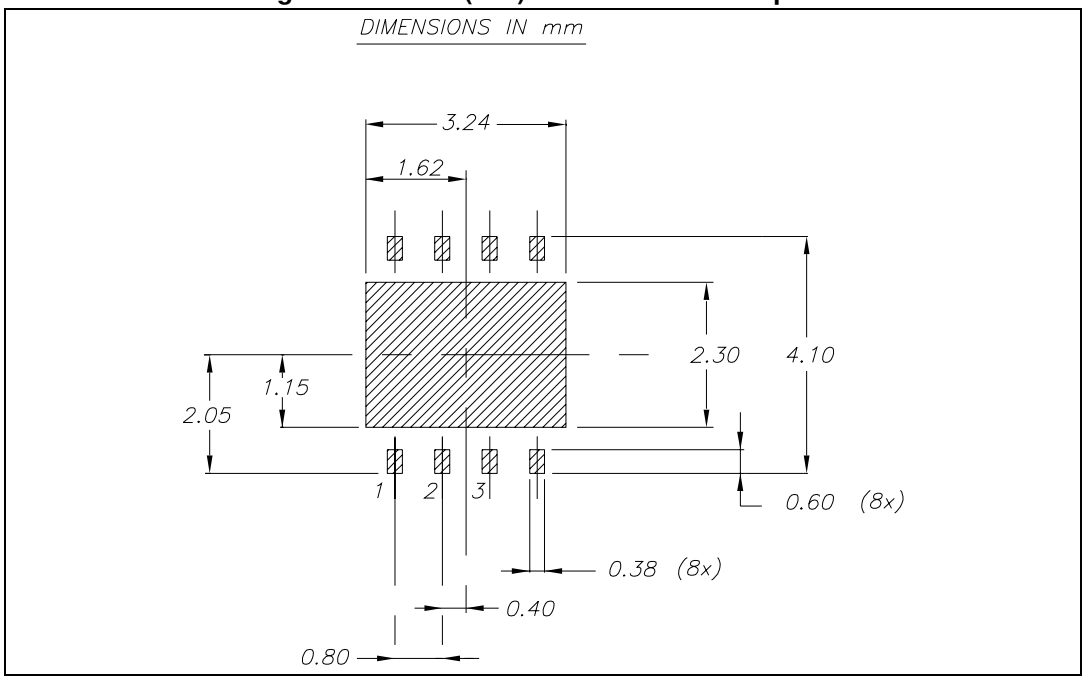


Table 15. DFN8 (4x4) mechanical data

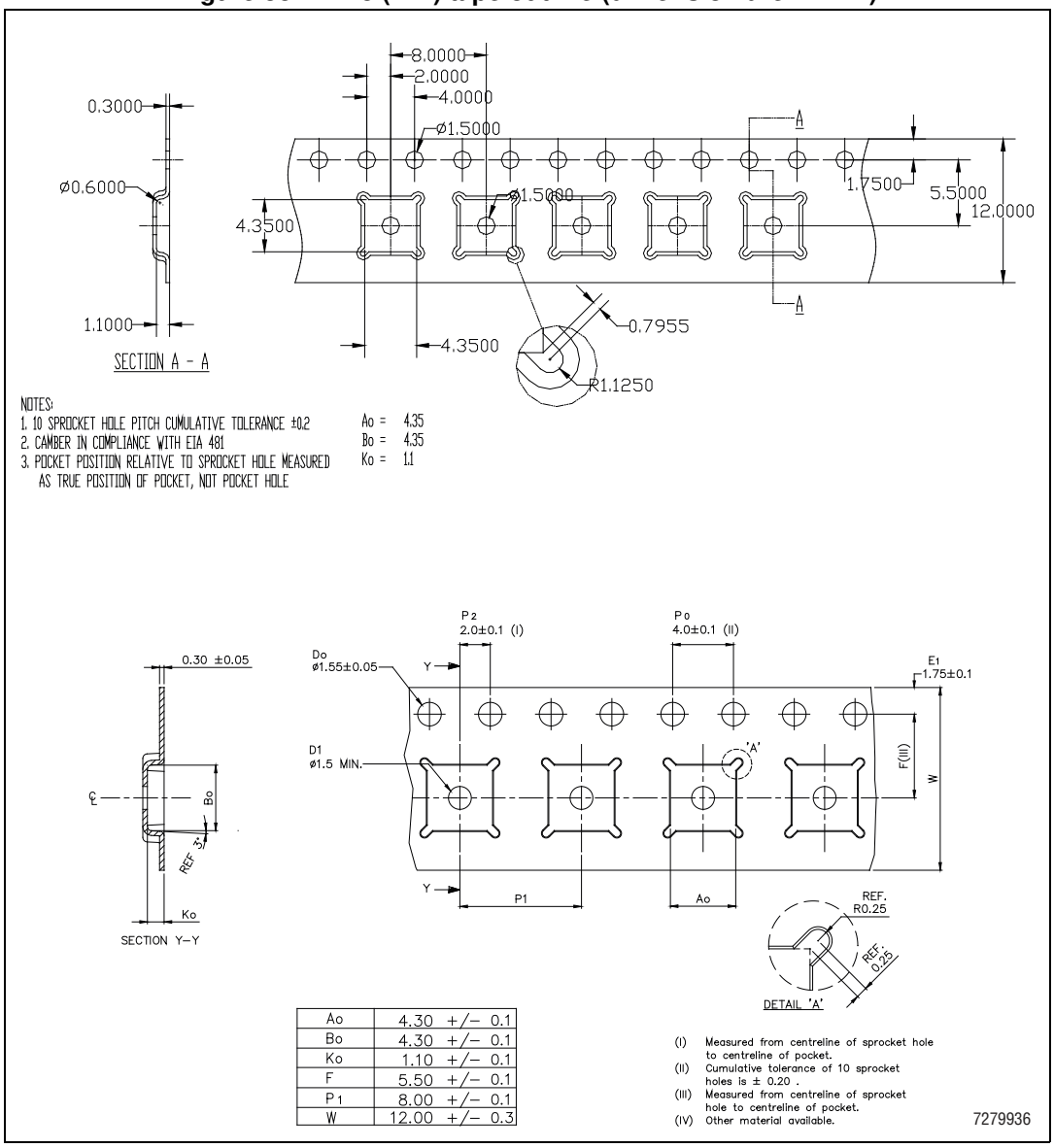
Dim.	mm.		
	Min.	Typ.	Max.
A	0.80	0.90	1
A1	0	0.02	0.05
A3		0,20	
b	0.23	0.30	0.38
D	3.90	4	4.10
D2	2.82	3	3.23
E	3.90	4	4.10
E2	2.05	2.20	2.30
e		0.80	
L	0.40	0.50	0.60

Figure 37. DFN8 (4x4) recommended footprint



7.7 DFN8 (4x4) packing information

Figure 38. DFN8 (4x4) tape outline (dimension are in mm)

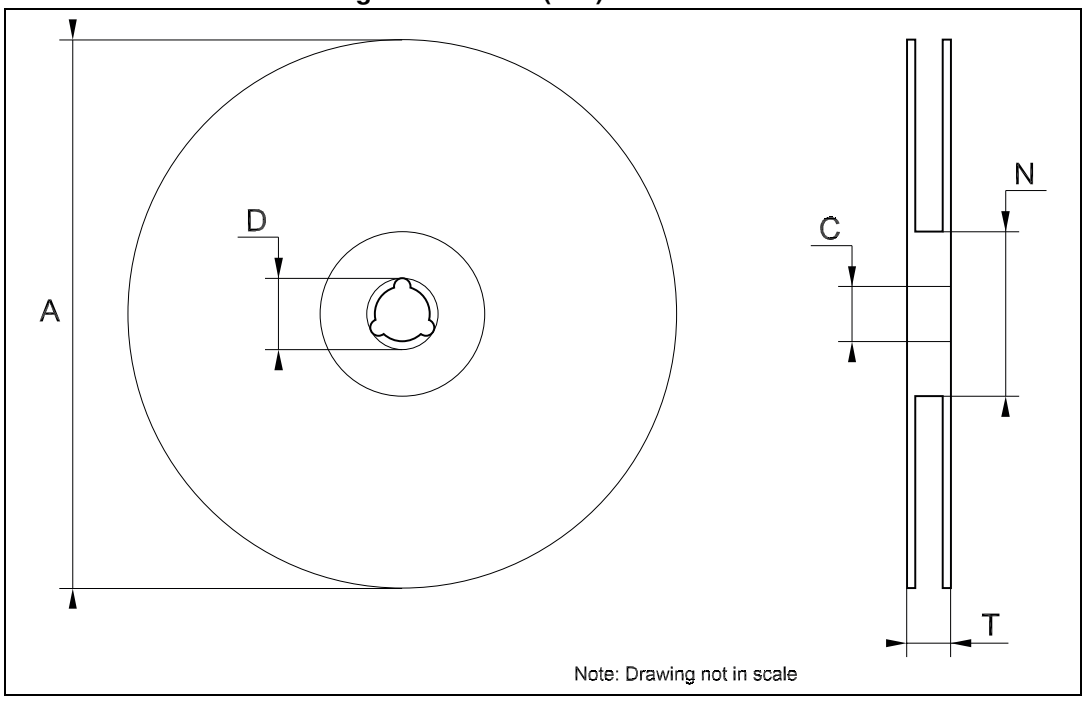


Ao	4.30 +/- 0.1
Bo	4.30 +/- 0.1
Ko	1.10 +/- 0.1
F	5.50 +/- 0.1
P1	8.00 +/- 0.1
W	12.00 +/- 0.3

Table 16. DFN8 (4x4) reel mechanical data

Dim.	mm.			inch.		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A			330			12.992
C	12.8	13.0	13.2	0.504	0.512	0.519
D	20.2			0.795		
N	60			2.362		
T			22.4			0.882

Figure 39. DFN8 (4x4) reel outline



8 Ordering information

Table 17. Order code

Packages					
TO-220	**D²PAK**	**D²PAK/A**	**DPAK**	**DFN8 (4x4)**	**Output voltages**
LD1086V18-DG	LD1086D2T18TR		LD1086DT18TR		1.8 V
			LD1086DT25TR		2.5 V
LD1086V33-DG	LD1086D2T33TR	LD1086D2M33TR	LD1086DT33TR		3.3 V
	LD1086D2T50TR		LD1086DT50TR		5.0 V
LD1086V-DG	LD1086D2TTR	LD1086D2MTR	LD1086DTTR	LD1086PUR	ADJ
LD1086VY (1)			LD1086DTTRY (2)		ADJ
LD1086BV-DG	LD1086BD2TTR	LD1086BD2MTR	LD1086BDTTR		ADJ

1. Automotive grade products.

9 Revision history

Table 18. Document revision history

Date	Revision	Changes
16-May-2006	14	Order codes updated and new template.
19-Jan-2007	15	D²PAK mechanical data updated and add footprint data.
05-Apr-2007	16	Order codes updated.
07-Jun-2007	17	Order codes updated.
19-Jul-2007	18	Add note on Figure 2.
03-Dec-2007	19	Modified: Table 18.
31-Jan-2008	20	Added new order codes for Automotive grade products.
18-Feb-2008	21	Modified: Table 18 on page 39.
14-Jul-2008	22	Modified: Table 1 on page 7 and Table 18 on page 39.
10-Mar-2010	23	Added: Table 12 on page 26, Figure 30 on page 23, Figure 31 on page 25, Figure 31 and Figure 32 on page 27.
15-Nov-2010	24	Modified: RthJC value for TO-220 Table 2 on page 7.
11-Jul-2011	25	Modified: Figure 24, Figure 25 on page 20 and Table 18 on page 39.
10-Feb-2012	26	Added: order code LD1086V-DG Table 18 on page 39.
15-Mar-2012	27	Added: new order code LD1086PUR Table 18 on page 39 and new package mechanical data DFN8 (4x4 mm) Table 16 on page 36, Figure 38 on page 35, Figure 39 on page 36, Figure 40 on page 37 and Figure 41 on page 38.
19-Oct-2012	28	Added: RthJA value for DPAK Table 2 on page 7.
13-Feb-2013	29	Modified: Output voltage in Voltage reference parameter Table 8 on page 14 and Table 10 on page 16.
01-Mar-2013	30	Modified: DFN8 (4 x 4) pin configuration Figure 2 on page 6.
17-Jun-2013	31	Added Table 8: Electrical characteristics of LD1086B# and Section 7.7: DFN8 (4x4) packing information. Updated Section 7: Package information and Table 18: Order code. Minor text changes.
22-Oct-2013	32	RPN LD1086xx changed to LD1086. Updated the Description in cover page. Cancelled Table 1: Device summary. Updated Figure 2: Pin connections (top view), Section 5: Electrical characteristics, Section 7: Package information and Table 18: Order code. Minor text changes.
18-Dec-2014	33	Updated Table 6.: Electrical characteristics of LD1086#50, Section 7: Package information and Section 7.7: DFN8 (4x4) packing information. Minor text changes.
10-Feb-2015	34	Updated Table 18: Order code. Minor text changes.
16-Nov-2015	35	Updated Section 7: Package information and Table 18: Order code Minor text changes.

Table 18. Document revision history (continued)

Date	Revision	Changes
19-Dec-2017	36	Updated T_J value in Table 1: Absolute maximum ratings.
17-May-2021	37	Removed 12 V options in the document. Updated *Figure 15*, *Figure 16*, *Figure 17* and *Figure 18*.