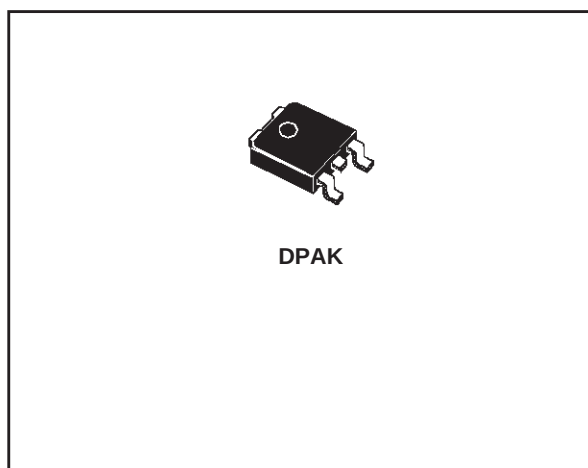




LD1085C SERIES

3A LOW DROP POSITIVE VOLTAGE REGULATOR ADJUSTABLE AND FIXED

- TYPICAL DROPOUT 1.3V (AT 3A)
- THREE TERMINAL ADJUSTABLE OR FIXED OUTPUT VOLTAGE 1.8V, 2.5V, 2.85V, 3.3V, 3.6V, 5V, 8V, 9V, 12V.
- GUARANTEED OUTPUT CURRENT UP TO 3A
- OUTPUT TOLERANCE $\pm 2\%$ AT 25°C AND $\pm 3\%$ IN FULL TEMPERATURE RANGE
- INTERNAL POWER AND THERMAL LIMIT
- WIDE OPERATING TEMPERATURE RANGE -40°C TO 125°C
- PACKAGE AVAILABLE : DPAK
- PINOUT COMPATIBILITY WITH STANDARD ADJUSTABLE VREG

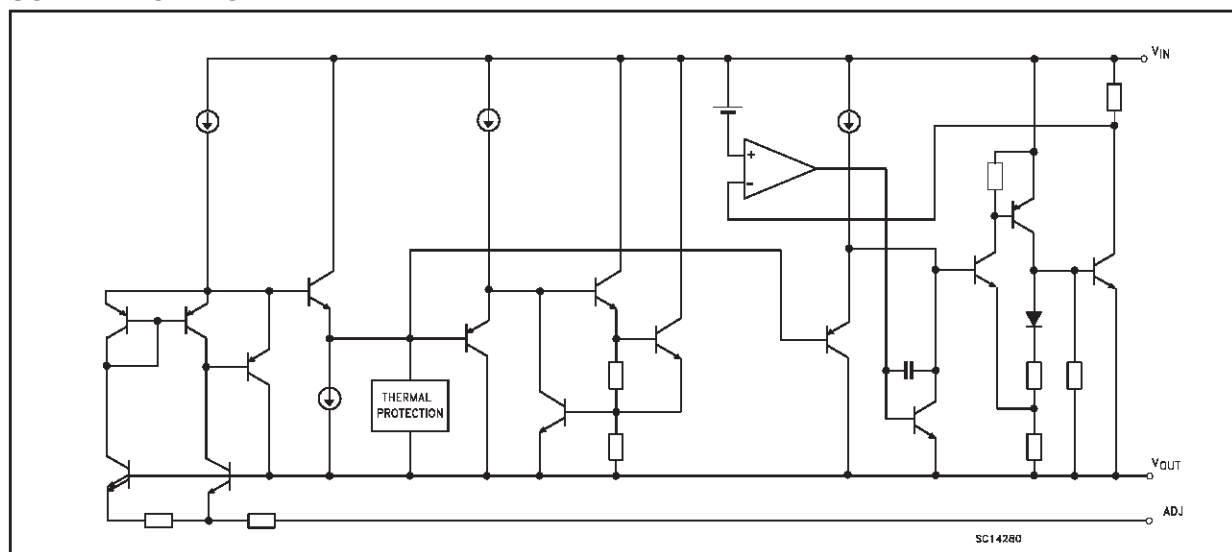


DESCRIPTION

The LD1085 is a LOW DROP Voltage Regulator able to provide up to 3A of Output Current. Dropout is guaranteed at a maximum of 1.5V at the maximum output current, decreasing at lower loads. The LD1085 is pin to pin compatible with the older 3-terminal adjustable regulators, but has better performances in term of drop and output tolerance .

A 2.85V output version is suitable for SCSI-2 active termination. Unlike PNP regulators, where a part of the output current is wasted as quiescent current, the LD1085 quiescent current flows into the load, so increase efficiency. Only a 10 μ F minimum capacitor is need for stability. The device is supplied in DPAK. On chip trimming allows the regulator to reach a very tight output voltage tolerance, within $\pm 2\%$ at 25°C.

SCHEMATIC DIAGRAM



LD1085C SERIES

ABSOLUTE MAXIMUM RATINGS

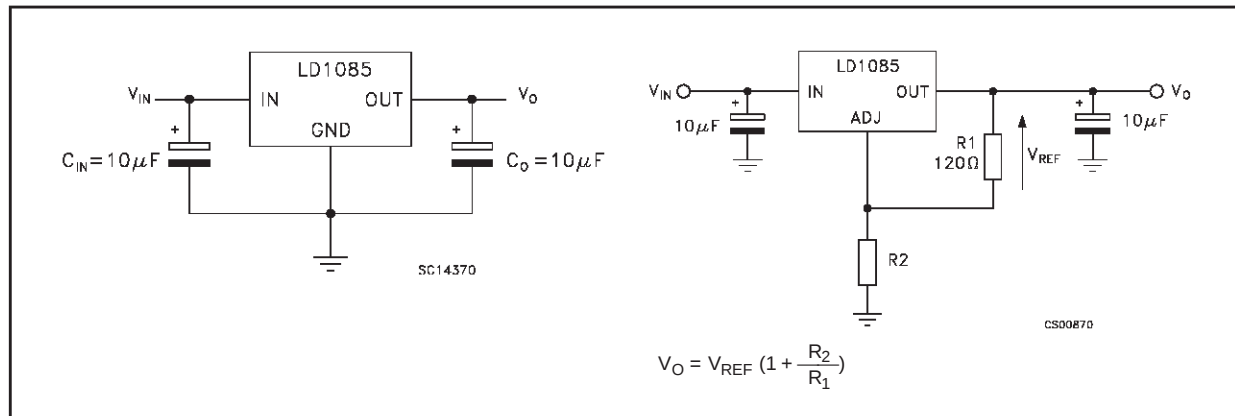
Symbol	Parameter	Value	Unit
V_I	DC Input Voltage	30	V
I_O	Output Current	Internally Limited	mA
P_D	Power Dissipation	Internally Limited	mW
T_{stg}	Storage Temperature Range	-55 to +150	°C
T_{op}	Operating Junction Temperature Range	-40 to +125	°C

Absolute Maximum Ratings are those values beyond which damage to the device may occur. Functional operation under these condition is not implied.

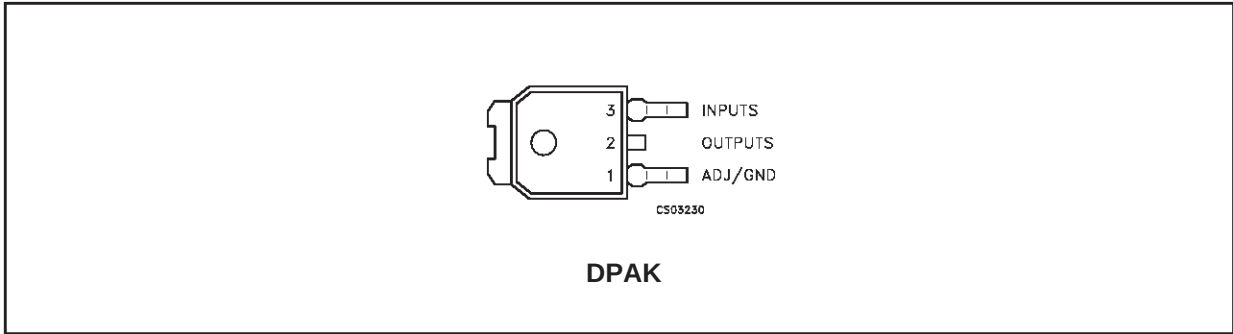
THERMAL DATA

Symbol	Parameter	DPAK	Unit
$R_{thj-case}$	Thermal Resistance Junction-case	3	°C/W
$R_{thj-amb}$	Thermal Resistance Junction-ambient	62.5	°C/W

APPLICATION CIRCUITS



CONNECTION DIAGRAM (top view)



ORDERING CODES

DPAK (*)	OUTPUT VOLTAGE
LD1085CDT18	1.8 V
LD1085CDT25	2.5 V
LD1085CDT28	2.85 V
LD1085CDT33	3.3 V
LD1085CDT36	3.6 V
LD1085CDT50	5.0 V
LD1085CDT80	8.0 V
LD1085CDT90	9.0 V
LD1085CDT120	12.0 V
LD1085CDT	ADJ

(*) Available in Tape & Reel with the suffix "R" for fixed version and "-R" for adjustable version.

LD1085C SERIES

ELECTRICAL CHARACTERISTICS OF LD1085CDT18 ($V_I=4.8V$, $C_I = C_O = 10\mu F$, $T_A = -40$ to $125^\circ C$, unless otherwise specified.)

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_O	Output Voltage	$I_O = 0\text{ mA}$ $T_J = 25^\circ C$	1.764	1.8	1.836	V
		$I_O = 0$ to $3A$ $V_I = 3.4$ to $30V$ (note 1)	1.746	1.8	1.854	V
ΔV_O	Line Regulation	$I_O = 0\text{ mA}$ $V_I = 3.4$ to $18V$ $T_J = 25^\circ C$		0.2	4	mV
		$I_O = 0\text{ mA}$ $V_I = 3.4$ to $15V$		0.4	4	mV
ΔV_O	Load Regulation	$I_O = 0$ to $3A$ $T_J = 25^\circ C$		2	10	mV
		$I_O = 0$ to $3A$		4	20	V
V_d	Dropout Voltage	$I_O = 3A$		1.3	1.5	V
I_q	Quiescent Current	$V_I \leq 30V$		5	10	mA
I_{sc}	Short Circuit Current	$V_I - V_O = 5V$	3.2	4.5		A
		$V_I - V_O = 25V$	0.2	0.5		A
	Thermal Regulation	$T_A = 25^\circ C$, 30ms pulse		0.003	0.015	%/W
SVR	Supply Voltage Rejection	$f = 120\text{ Hz}$, $C_O = 25\mu F$, $I_O = 3A$ $V_I = 7.5 \pm 3V$	60	75		dB
eN	RMS Output Noise Voltage (% of V_O)	$T_A = 25^\circ C$ $f = 10\text{Hz to } 10\text{KHz}$		0.003		%
S	Temperature Stability			0.5		%
S	Long Term Stability	$T_A = 125^\circ C$ 1000Hrs		0.5		%

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

ELECTRICAL CHARACTERISTICS OF LD1085CDT25 ($V_I=5.5V$, $C_I = C_O = 10\mu F$, $T_A = -40$ to $125^\circ C$, unless otherwise specified.)

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_O	Output Voltage	$I_O = 0\text{ mA}$ $T_J = 25^\circ C$	2.45	2.5	2.55	V
		$I_O = 0$ to $3A$ $V_I = 4.1$ to $30V$ (note 1)	2.425	2.5	2.575	V
ΔV_O	Line Regulation	$I_O = 0\text{ mA}$ $V_I = 4.1$ to $18V$ $T_J = 25^\circ C$		0.2	5	mV
		$I_O = 0\text{ mA}$ $V_I = 4.1$ to $18V$		0.4	5	mV
ΔV_O	Load Regulation	$I_O = 0$ to $3A$ $T_J = 25^\circ C$		2	10	mV
		$I_O = 0$ to $3A$		4	20	V
V_d	Dropout Voltage	$I_O = 3A$		1.3	1.5	V
I_q	Quiescent Current	$V_I \leq 30V$		5	10	mA
I_{sc}	Short Circuit Current	$V_I - V_O = 5V$	3.2	4.5		A
		$V_I - V_O = 25V$	0.2	0.5		A
	Thermal Regulation	$T_A = 25^\circ C$, 30ms pulse		0.008	0.04	%/W
SVR	Supply Voltage Rejection	$f = 120\text{ Hz}$, $C_O = 25\mu F$, $I_O = 3A$ $V_I = 7.5 \pm 3V$	60	72		dB
eN	RMS Output Noise Voltage (% of V_O)	$T_A = 25^\circ C$ $f = 10\text{Hz to } 10\text{KHz}$		0.003		%
S	Temperature Stability			0.5		%
S	Long Term Stability	$T_A = 125^\circ C$ 1000Hrs		0.5		%

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

ELECTRICAL CHARACTERISTICS OF LD1085CDT285 ($V_I=5.85V$, $C_I = C_O = 10\mu F$, $T_A = -40$ to $125^\circ C$, unless otherwise specified.)

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_O	Output Voltage	$I_O = 0 \text{ mA}$ $T_J = 25^\circ C$	2.793	2.85	2.907	V
		$I_O = 0$ to $3A$ $V_I = 4.5$ to $30V$ (note 1)	2.765	2.85	2.935	V
ΔV_O	Line Regulation	$I_O = 0 \text{ mA}$ $V_I = 4.5$ to $18V$ $T_J = 25^\circ C$		0.2	6	mV
		$I_O = 0 \text{ mA}$ $V_I = 4.5$ to $18V$		0.5	6	mV
ΔV_O	Load Regulation	$I_O = 0$ to $3A$ $T_J = 25^\circ C$		3	15	mV
		$I_O = 0$ to $3A$		7	20	V
V_d	Dropout Voltage	$I_O = 3A$		1.3	1.5	V
I_q	Quiescent Current	$V_I \leq 30V$		5	10	mA
I_{sc}	Short Circuit Current	$V_I - V_O = 5V$	3.2	4.5		A
		$V_I - V_O = 25V$	0.2	0.5		A
	Thermal Regulation	$T_A = 25^\circ C$, 30ms pulse		0.008	0.04	%/W
SVR	Supply Voltage Rejection	$f = 120 \text{ Hz}$, $C_O = 25 \mu F$, $I_O = 3A$ $V_I = 7.85 \pm 3V$	60	72		dB
eN	RMS Output Noise Voltage (% of V_O)	$T_A = 25^\circ C$ $f = 10\text{Hz}$ to 10KHz		0.003		%
S	Temperature Stability			0.5		%
S	Long Term Stability	$T_A = 125^\circ C$ 1000Hrs		0.5		%

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

ELECTRICAL CHARACTERISTICS OF LD1085CDT33 ($V_I=6.3V$, $C_I = C_O = 10\mu F$, $T_A = -40$ to $125^\circ C$, unless otherwise specified.)

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_O	Output Voltage	$I_O = 0 \text{ mA}$ $T_J = 25^\circ C$	3.234	3.35	3.366	V
		$I_O = 0$ to $3A$ $V_I = 4.9$ to $30V$ (note 1)	3.201	3.35	3.399	V
ΔV_O	Line Regulation	$I_O = 0 \text{ mA}$ $V_I = 4.9$ to $18V$ $T_J = 25^\circ C$		0.5	6	mV
		$I_O = 0 \text{ mA}$ $V_I = 4.9$ to $18V$		1	6	mV
ΔV_O	Load Regulation	$I_O = 0$ to $3A$ $T_J = 25^\circ C$		3	15	mV
		$I_O = 0$ to $3A$		7	20	V
V_d	Dropout Voltage	$I_O = 3A$		1.3	1.5	V
I_q	Quiescent Current	$V_I \leq 30V$		5	10	mA
I_{sc}	Short Circuit Current	$V_I - V_O = 5V$	3.2	4.5		A
		$V_I - V_O = 25V$	0.2	0.5		A
	Thermal Regulation	$T_A = 25^\circ C$, 30ms pulse		0.008	0.04	%/W
SVR	Supply Voltage Rejection	$f = 120 \text{ Hz}$, $C_O = 25 \mu F$, $I_O = 5A$ $V_I = 8.3 \pm 3V$	60	72		dB
eN	RMS Output Noise Voltage (% of V_O)	$T_A = 25^\circ C$ $f = 10\text{Hz}$ to 10KHz		0.003		%
S	Temperature Stability			0.5		%
S	Long Term Stability	$T_A = 125^\circ C$ 1000Hrs		0.5		%

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

LD1085C SERIES

ELECTRICAL CHARACTERISTICS OF LD1085CDT36 ($V_I=6.6V$, $C_I = C_O = 10\mu F$, $T_A = -40$ to $125^\circ C$, unless otherwise specified.)

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_O	Output Voltage	$I_O = 0 \text{ mA}$ $T_J = 25^\circ C$	3.528	3.6	3.672	V
		$I_O = 0$ to $3A$ $V_I = 5.2$ to $30V$ (note 1)	3.492	3.6	3.708	V
ΔV_O	Line Regulation	$I_O = 0 \text{ mA}$ $V_I = 5.2$ to $18V$ $T_J = 25^\circ C$		0.5	10	mV
		$I_O = 0 \text{ mA}$ $V_I = 5.2$ to $18V$		1	10	mV
ΔV_O	Load Regulation	$I_O = 0$ to $3A$ $T_J = 25^\circ C$		3	15	mV
		$I_O = 0$ to $3A$		7	20	V
V_d	Dropout Voltage	$I_O = 3A$		1.3	1.5	V
I_q	Quiescent Current	$V_I \leq 30V$		5	10	mA
I_{sc}	Short Circuit Current	$V_I - V_O = 5V$	3.2	4.5		A
		$V_I - V_O = 25V$	0.2	0.5		A
	Thermal Regulation	$T_A = 25^\circ C$, 30ms pulse		0.008	0.04	%/W
SVR	Supply Voltage Rejection	$f = 120 \text{ Hz}$, $C_O = 25 \mu F$, $I_O = 3A$ $V_I = 8.6 \pm 3V$	60	72		dB
eN	RMS Output Noise Voltage (% of V_O)	$T_A = 25^\circ C$ $f = 10\text{Hz}$ to 10KHz		0.003		%
S	Temperature Stability			0.5		%
S	Long Term Stability	$T_A = 125^\circ C$ 1000Hrs		0.5		%

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

ELECTRICAL CHARACTERISTICS OF LD1085CDT50 ($V_I=8V$, $C_I = C_O = 10\mu F$, $T_A = -40$ to $125^\circ C$, unless otherwise specified.)

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_O	Output Voltage	$I_O = 0 \text{ mA}$ $T_J = 25^\circ C$	4.9	5	5.1	V
		$I_O = 0$ to $3A$ $V_I = 6.6$ to $30V$ (note 1)	4.85	5	5.15	V
ΔV_O	Line Regulation	$I_O = 0 \text{ mA}$ $V_I = 6.6$ to $20V$ $T_J = 25^\circ C$		0.5	10	mV
		$I_O = 0 \text{ mA}$ $V_I = 6.6$ to $20V$		1	10	mV
ΔV_O	Load Regulation	$I_O = 0$ to $3A$ $T_J = 25^\circ C$		5	20	mV
		$I_O = 0$ to $3A$		10	35	V
V_d	Dropout Voltage	$I_O = 3A$		1.3	1.5	V
I_q	Quiescent Current	$V_I \leq 30V$		5	10	mA
I_{sc}	Short Circuit Current	$V_I - V_O = 5V$	3.2	4.5		A
		$V_I - V_O = 25V$	0.2	0.5		A
	Thermal Regulation	$T_A = 25^\circ C$, 30ms pulse		0.008	0.04	%/W
SVR	Supply Voltage Rejection	$f = 120 \text{ Hz}$, $C_O = 25 \mu F$, $I_O = 3A$ $V_I = 10 \pm 3V$	60	72		dB
eN	RMS Output Noise Voltage (% of V_O)	$T_A = 25^\circ C$ $f = 10\text{Hz}$ to 10KHz		0.003		%
S	Temperature Stability			0.5		%
S	Long Term Stability	$T_A = 125^\circ C$ 1000Hrs		0.5		%

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

ELECTRICAL CHARACTERISTICS OF LD1085CDT80 ($V_I=11\text{V}$, $C_I = C_O = 10\mu\text{F}$, $T_A = -40$ to 125°C , unless otherwise specified.)

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_O	Output Voltage	$I_O = 0\text{ mA}$ $T_J = 25^\circ\text{C}$	7.84	8	8.16	V
		$I_O = 0$ to 3 A $V_I = 9.8$ to 30V (note 1)	7.76	8	8.24	V
ΔV_O	Line Regulation	$I_O = 0\text{ mA}$ $V_I = 9.8$ to 20V $T_J = 25^\circ\text{C}$		1	18	mV
		$I_O = 0\text{ mA}$ $V_I = 9.8$ to 20V		2	18	mV
ΔV_O	Load Regulation	$I_O = 0$ to 3 A $T_J = 25^\circ\text{C}$		8	30	mV
		$I_O = 0$ to 3 A		12	60	V
V_d	Dropout Voltage	$I_O = 3\text{ A}$		1.3	1.5	V
I_q	Quiescent Current	$V_I \leq 30\text{V}$		5	10	mA
I_{sc}	Short Circuit Current	$V_I - V_O = 5\text{V}$	3.2	4.5		A
		$V_I - V_O = 25\text{V}$	0.2	0.5		A
	Thermal Regulation	$T_A = 25^\circ\text{C}$, 30ms pulse		0.008	0.04	%/W
SVR	Supply Voltage Rejection	$f = 120\text{ Hz}$, $C_O = 25\mu\text{F}$, $I_O = 3\text{ A}$ $V_I = 13 \pm 3\text{V}$	54	71		dB
eN	RMS Output Noise Voltage (% of V_O)	$T_A = 25^\circ\text{C}$ $f = 10\text{Hz}$ to 10KHz		0.003		%
S	Temperature Stability			0.5		%
S	Long Term Stability	$T_A = 125^\circ\text{C}$ 1000Hrs		0.5		%

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

ELECTRICAL CHARACTERISTICS OF LD1085CDT90 ($V_I=12\text{V}$, $C_I = C_O = 10\mu\text{F}$, $T_A = -40$ to 125°C , unless otherwise specified.)

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_O	Output Voltage	$I_O = 0\text{ mA}$ $T_J = 25^\circ\text{C}$	8.82	9	9.18	V
		$I_O = 0$ to 3 A $V_I = 11$ to 30V (note 1)	8.73	9	9.27	V
ΔV_O	Line Regulation	$I_O = 0\text{ mA}$ $V_I = 11$ to 20V $T_J = 25^\circ\text{C}$		1	20	mV
		$I_O = 0\text{ mA}$ $V_I = 11$ to 20V		2	20	mV
ΔV_O	Load Regulation	$I_O = 0$ to 3 A $T_J = 25^\circ\text{C}$		8	30	mV
		$I_O = 0$ to 3 A		12	60	V
V_d	Dropout Voltage	$I_O = 3\text{ A}$		1.3	1.5	V
I_q	Quiescent Current	$V_I \leq 30\text{V}$		5	10	mA
I_{sc}	Short Circuit Current	$V_I - V_O = 5\text{V}$	5.5	6.5		A
		$V_I - V_O = 25\text{V}$	0.5	0.7		A
	Thermal Regulation	$T_A = 25^\circ\text{C}$, 30ms pulse		0.008	0.04	%/W
SVR	Supply Voltage Rejection	$f = 120\text{ Hz}$, $C_O = 25\mu\text{F}$, $I_O = 3\text{ A}$ $V_I = 14 \pm 3\text{V}$	54	70		dB
eN	RMS Output Noise Voltage (% of V_O)	$T_A = 25^\circ\text{C}$ $f = 10\text{Hz}$ to 10KHz		0.003		%
S	Temperature Stability			0.5		%
S	Long Term Stability	$T_A = 125^\circ\text{C}$ 1000Hrs		0.5		%

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

LD1085C SERIES

ELECTRICAL CHARACTERISTICS OF LD1085CDT120 ($V_I=15V$, $C_I = C_O = 10\mu F$, $T_A = -40$ to $125^\circ C$, unless otherwise specified.)

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_O	Output Voltage	$I_O = 0 \text{ mA}$ $T_J = 25^\circ C$	11.76	12	12.24	V
		$I_O = 0$ to $3A$ $V_I = 13.8$ to $30V$ (note 1)	11.64	12	12.36	V
ΔV_O	Line Regulation	$I_O = 0 \text{ mA}$ $V_I = 13.8$ to $25V$ $T_J = 25^\circ C$		1	25	mV
		$I_O = 0 \text{ mA}$ $V_I = 13.8$ to $25V$		2	25	mV
ΔV_O	Load Regulation	$I_O = 0$ to $3A$ $T_J = 25^\circ C$		12	36	mV
		$I_O = 0$ to $3A$		24	72	V
V_d	Dropout Voltage	$I_O = 3A$		1.3	1.5	V
I_q	Quiescent Current	$V_I \leq 30V$		5	10	mA
I_{sc}	Short Circuit Current	$V_I - V_O = 5V$	3.2	4.5		A
		$V_I - V_O = 25V$	0.2	0.5		A
	Thermal Regulation	$T_A = 25^\circ C$, 30ms pulse		0.008	0.04	%/W
SVR	Supply Voltage Rejection	$f = 120 \text{ Hz}$, $C_O = 25 \mu F$, $I_O = 3A$ $V_I = 17 \pm 3V$	54	66		dB
eN	RMS Output Noise Voltage (% of V_O)	$T_A = 25^\circ C$ $f = 10\text{Hz}$ to 10KHz		0.003		%
S	Temperature Stability			0.5		%
S	Long Term Stability	$T_A = 125^\circ C$ 1000Hrs		0.5		%

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

ELECTRICAL CHARACTERISTICS OF LD1085CDT ($V_I=4.25V$, $C_I = C_O = 10\mu F$, $T_A = -40$ to $125^\circ C$, unless otherwise specified.)

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_O	Output Voltage	$I_O = 10\text{mA}$ $T_J = 25^\circ C$	1.225	1.25	1.275	V
		$I_O = 10\text{mA}$ to $5A$ $V_I = 2.85$ to $30V$ (note 1)	1.213	1.25	1.288	V
ΔV_O	Line Regulation	$I_O = 10\text{mA}$ $V_I = 2.85$ to $16.5V$ $T_J = 25^\circ C$		0.015	0.2	%
		$I_O = 10\text{mA}$ $V_I = 2.85$ to $16.5V$		0.035	0.2	%
ΔV_O	Load Regulation	$I_O = 10\text{mA}$ to $5A$ $T_J = 25^\circ C$		0.1	0.3	%
		$I_O = 0$ to $5A$		0.2	0.4	%
V_d	Dropout Voltage	$I_O = 5A$		1.3	1.5	V
$I_{O(\min)}$	Minimum Load Current	$V_I = 30V$		3	10	mA
I_{sc}	Short Circuit Current	$V_I - V_O = 5V$	3.2	4.5		A
		$V_I - V_O = 25V$	0.2	0.5		A
	Thermal Regulation	$T_A = 25^\circ C$, 30ms pulse		0.003	0.015	%/W
SVR	Supply Voltage Rejection	$f = 120 \text{ Hz}$, $C_O = 25 \mu F$, $C_{ADJ} = 25 \mu F$, $I_O = 5A$ $V_I = 6.25 \pm 3V$	60	75		dB
I_{ADJ}	Adjust Pin Current	$V_I = 4.25V$ $I_O = 10 \text{ mA}$		55	120	μA
ΔI_{ADJ}	Adjust Pin Current Change	$I_O = 10\text{mA}$ to $5A$ $V_I = 2.75$ to $16.5V$ (note 1)		0.2	5	μA
eN	RMS Output Noise Voltage (% of V_O)	$T_A = 25^\circ C$ $f = 10\text{Hz}$ to 10KHz		0.003		%
S	Temperature Stability			0.5		%
S	Long Term Stability	$T_A = 125^\circ C$ 1000Hrs		0.5		%

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

TYPICAL CHARACTERISTICS (unless otherwise specified $T_J = 25^\circ\text{C}$, $C_I = C_O = 10\mu\text{F}$)

Figure 1 : Output Voltage vs Temperature

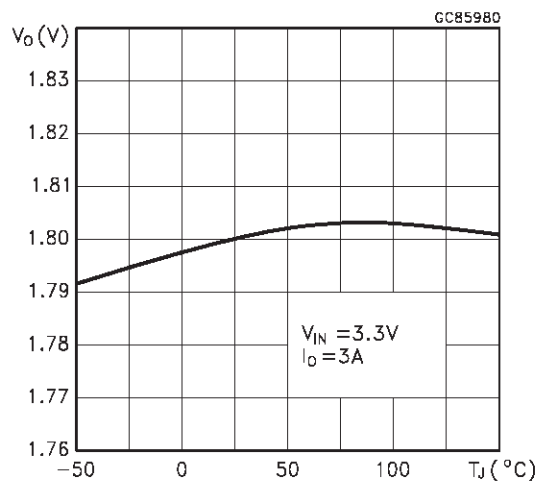


Figure 2 : Output Voltage vs Temperature

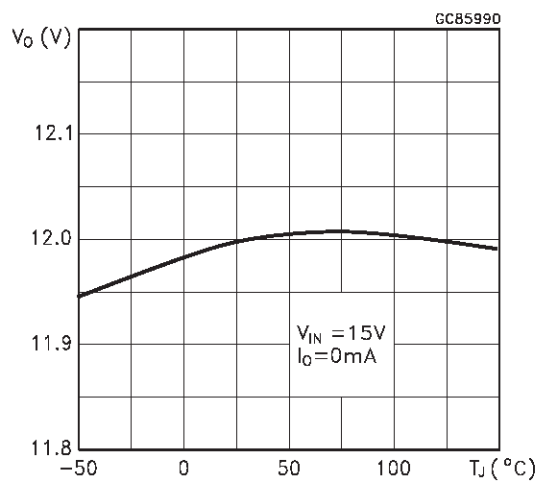


Figure 3 : Output Voltage vs Temperature

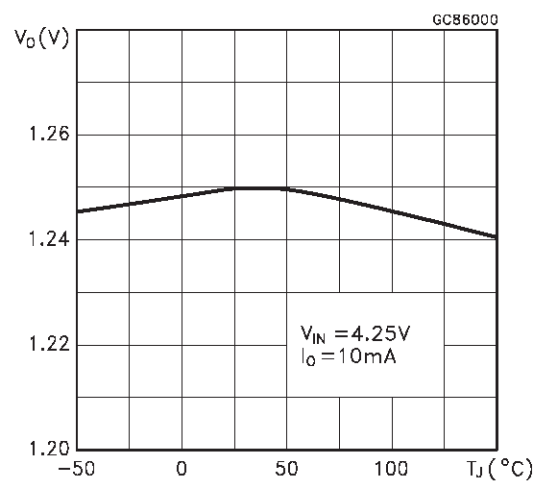


Figure 4 : Short Circuit Current vs Dropout Voltage

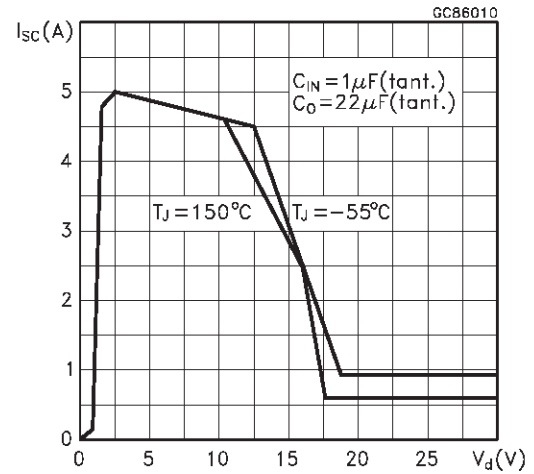


Figure 5 : Line Regulation vs Temperature

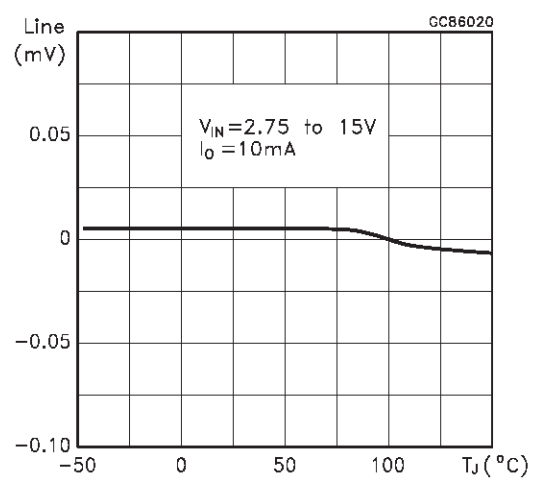


Figure 6 : Load Regulation vs Temperature

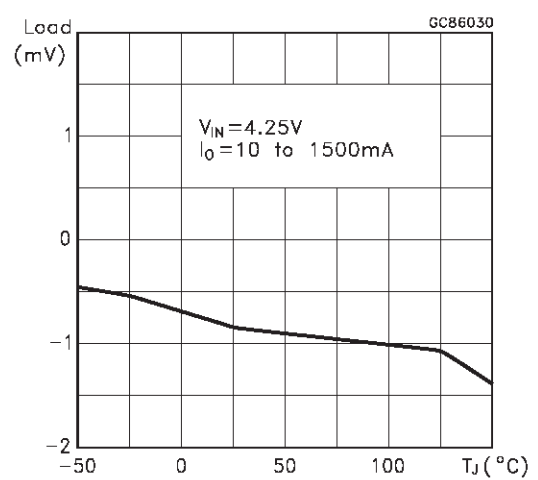


Figure 7 : Dropout Voltage vs Temperature

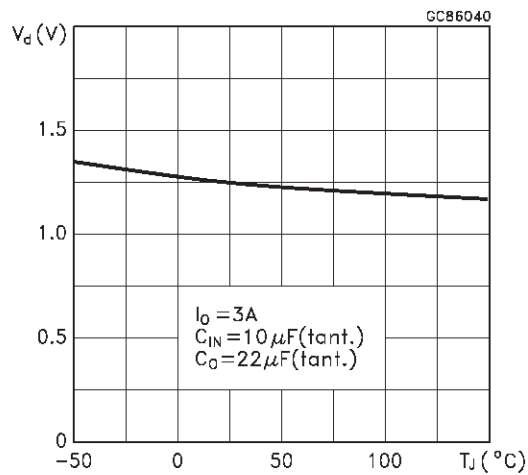


Figure 10 : Quiescent Current vs Temperature

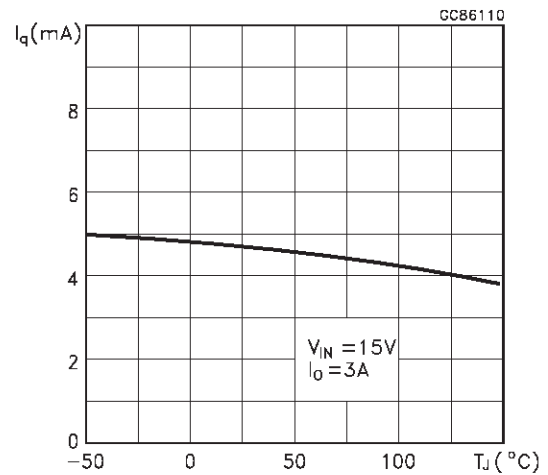


Figure 8 : Dropout Voltage vs Output Current

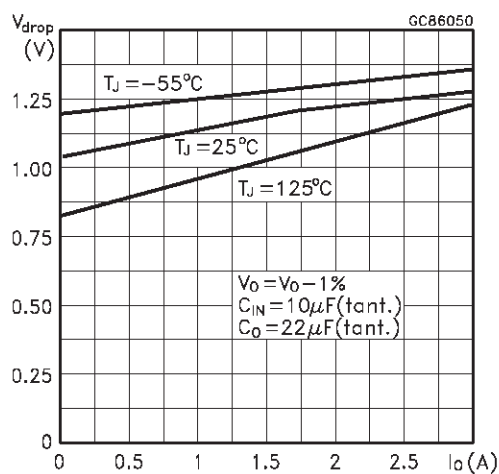


Figure 11 : Dropout Voltage vs Output Current

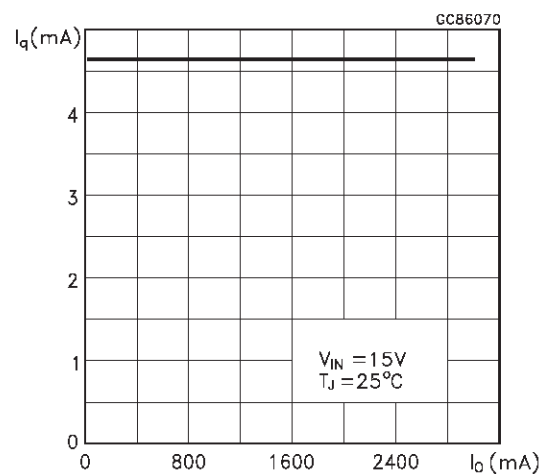


Figure 9 : Adjust Pin Current vs Temperature

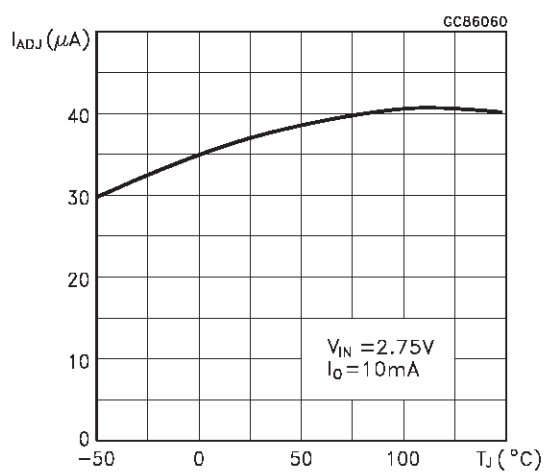


Figure 12 : Supply Voltage Rejection vs Output Current

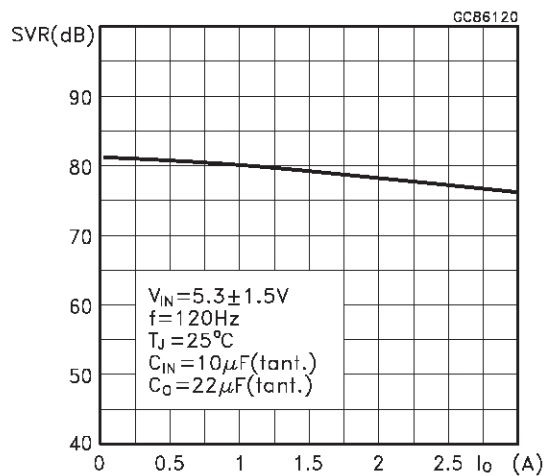


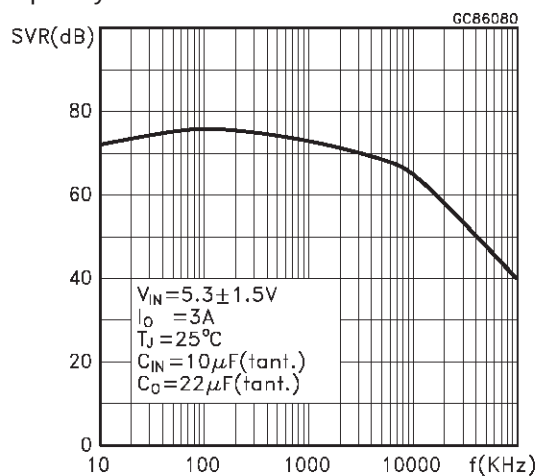
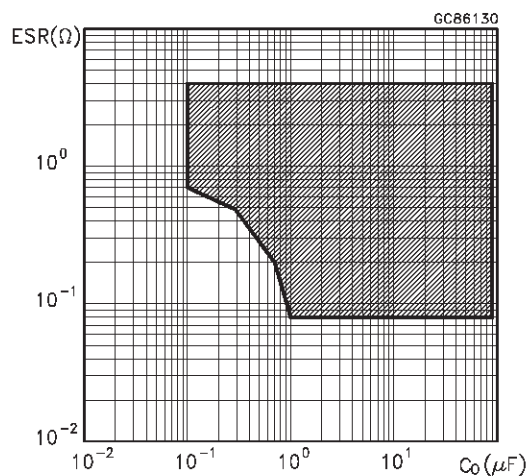
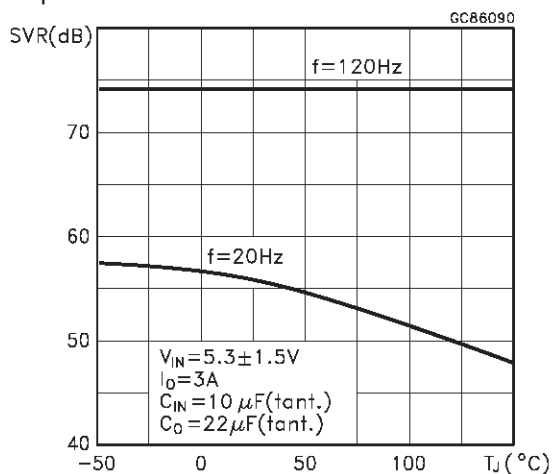
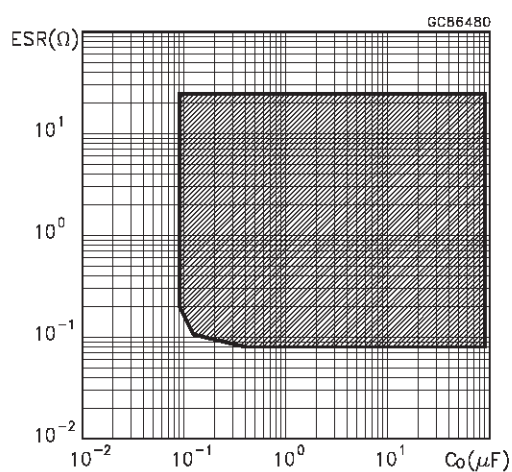
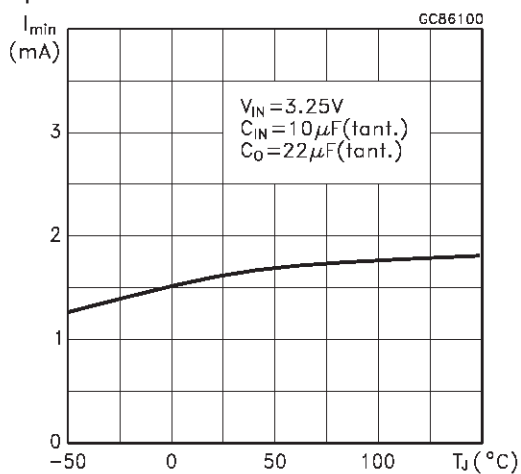
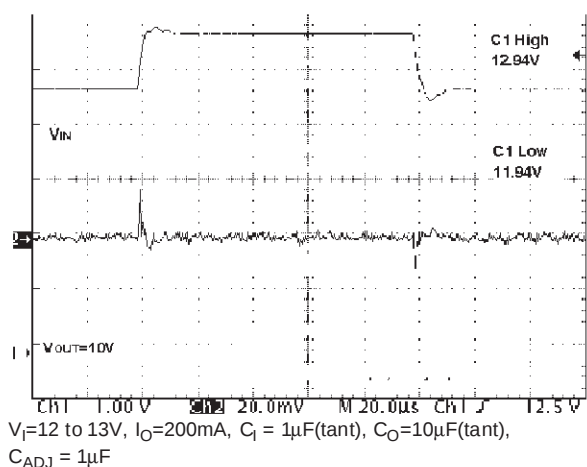
Figure 13 : Supply Voltage Rejection vs Frequency**Figure 16 : Stability****Figure 14 : Supply Voltage Rejection vs Temperature****Figure 17 : Stability****Figure 15 : Minimum Load Current vs Temperature****Figure 18 : Line Transient**

Figure 19 : Line Transient

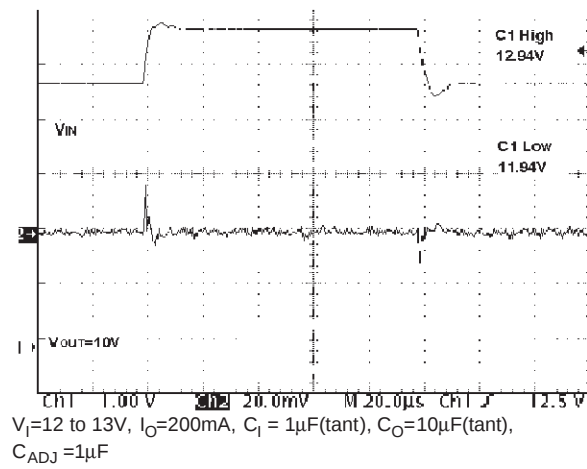


Figure 21 : Load Transient

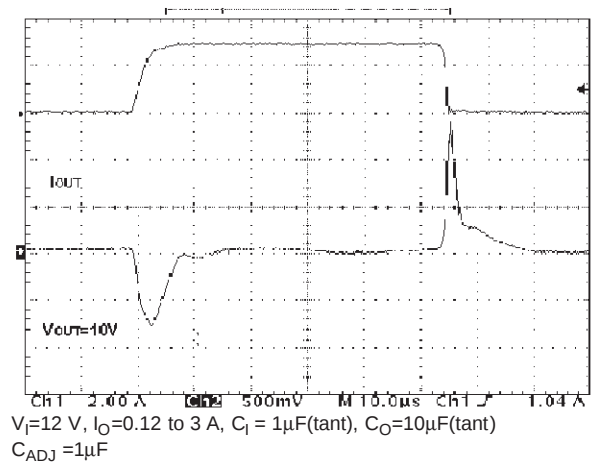
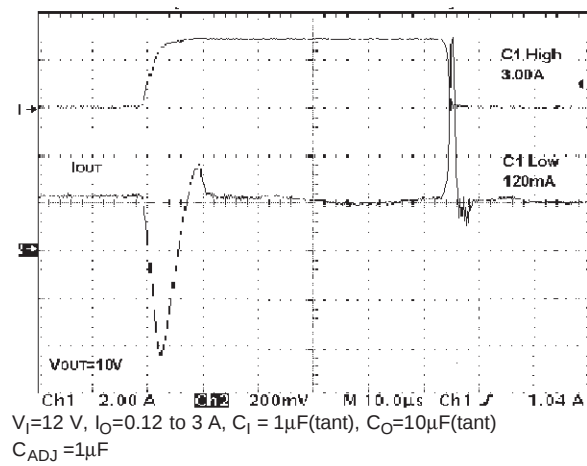
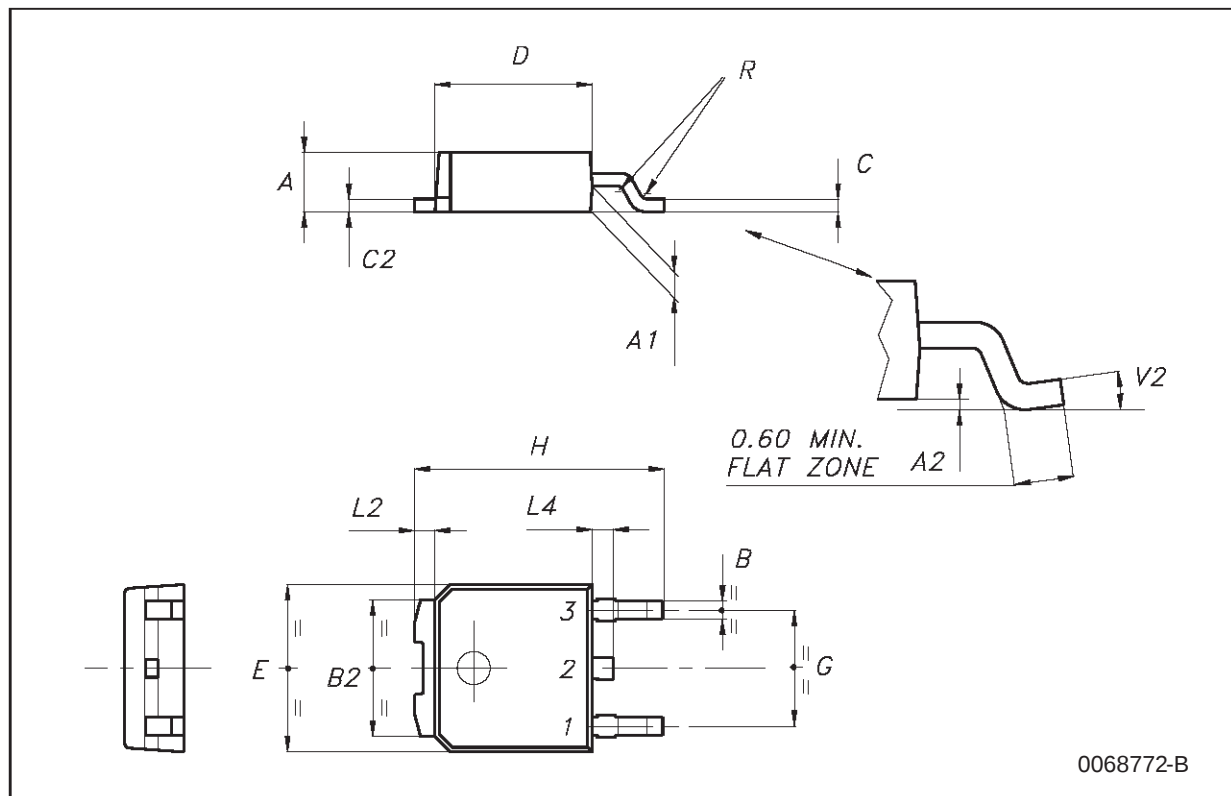


Figure 20 : Load Transient



DPAK MECHANICAL DATA

DIM.	mm.			inch		
	MIN.	TYP	MAX.	MIN.	TYP.	MAX.
A	2.2		2.4	0.086		0.094
A1	0.9		1.1	0.035		0.043
A2	0.03		0.23	0.001		0.009
B	0.64		0.9	0.025		0.035
B2	5.2		5.4	0.204		0.212
C	0.45		0.6	0.017		0.023
C2	0.48		0.6	0.019		0.023
D	6		6.2	0.236		0.244
E	6.4		6.6	0.252		0.260
G	4.4		4.6	0.173		0.181
H	9.35		10.1	0.368		0.397
L2		0.8			0.031	
L4	0.6		1	0.023		0.039



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