

## 5A Low Dropout Linear Regulator

### General Description

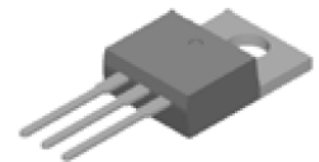
- The LD1084 is a series of low dropout positive voltage regulators with a maximum dropout of 1.5V at 5A of load current.
- The LD1084 series is available in 1.5V, 1.8V, 2.5V, 3.3V and 5.0V versions. The fixed versions integrate the adjust resistors. It is also available in an adjustable version which can set the output voltage with two external resistors.
- The LD1084 series includes a current limiting circuit and a trimmed band-gap reference. It also provides thermal limiting protection against excessive junction temperature.
- The LD1084 series is available in standard packages of DPAK (TO-252-2), D<sup>2</sup>PAK-2(TO-263-2) and TO-220-3.



**DPAK**  
(TO-252-2)



**D<sup>2</sup>PAK-2**  
(TO-263-2)



**TO-220**

### Features

- Low dropout voltage: 1.3V typical at 5A
- Current limiting and thermal protection
- Output current: 5A
- Current limit: 6.5A
- Operation junction temperature: 0 to 125°C
- Line regulation(adj version): 0.015% typical
- Load regulation(adj version): 0.1% typical
- RoHS compliant and halogen free

### Applications

- High Efficiency Linear Regulator
- Battery Chargers
- Post Regulation for Switching Supply
- Microprocessor Supply
- Desktop PCs, RISC and Embedded Processors' Supply

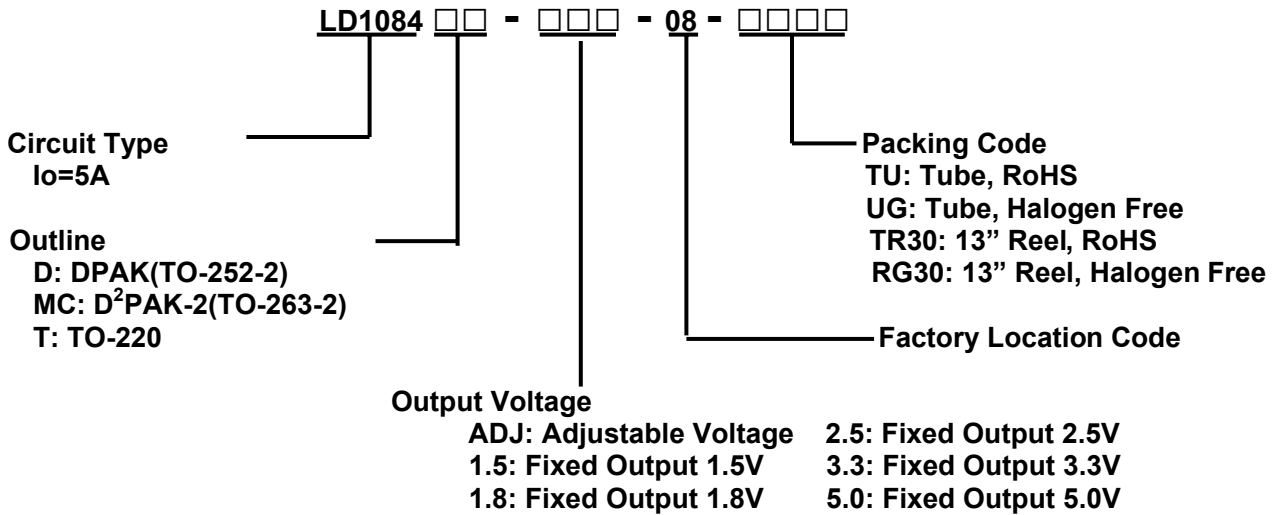


**HALOGEN  
FREE**

# 5A Low Dropout Linear Regulator

## LD1084 Series

### Ordering Information



### Marking Information

Outline	Temperature Range	PN	Marking Code	Packing Type
DPAK	0 to 125°C	LD1084D-xxx-08-TU	AZ1084D-xxxE1	Tube
		LD1084D-xxx-08-UG	AZ1084D-xxxG1	
		LD1084D-xxx-08-TR30	AZ1084D-xxxE1	Tape & Reel
		LD1084D-xxx-08-RG30	AZ1084D-xxxG1	
D <sup>2</sup> PAK-2	0 to 125°C	LD1084MC-xxx-08-TU	AZ1084S2-xxxE1	Tube
		LD1084MC-xxx-08-UG	AZ1084S2-xxxG1	
		LD1084MC-xxx-08-TR30	AZ1084S2-xxxE1	Tape & Reel
		LD1084MC-xxx-08-RG30	AZ1084S2-xxxG1	
TO-220	0 to 125°C	LD1084T-xxx-08-TU	AZ1084T-xxxE1	Tube
		LD1084T-xxx-08-UG	AZ1084T-xxxG1	
		LD1084T-xxx-08-TR30	AZ1084T-xxxE1	Tape & Reel
		LD1084T-xxx-08-RG30	AZ1084T-xxxG1	

Note: 1. "xxx" means output voltage, e.g "1.5".

2. "E1" suffix means RoHS compliant in marking code, and "G1" means Green.



# 5A Low Dropout Linear Regulator

## LD1084 Series

### Absolute Maximum Ratings (Note 1)

Symbol	Description	Ratings	Unit	
T <sub>J</sub>	Operating Junction Temperature	150	°C	
T <sub>STG</sub>	Storage Temperature Range	-65 ~ +150	°C	
T <sub>LEAD</sub>	Lead Temperature (Soldering, 10 sec.)	260	°C	
θ <sub>JA</sub>	Junction-to-Ambient Thermal Resistance	DPAK(TO-252-2)	100	°C/W
		D <sup>2</sup> PAK-2(TO-263-2)	60	
		TO-220	60	
θ <sub>JC</sub>	Junction-to-Case Thermal Resistance	DPAK(TO-252-2)	7.36	°C/W
		D <sup>2</sup> PAK-2(TO-263-2)	4.15	
		TO-220	4.15	
ESD	ESD (Human Body Model)	2000	V	
	ESD (Machine Model)	400	V	

Note: 1. Stresses greater than those listed under “Absolute Maximum Ratings” may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated “Recommended Operating Conditions” is not implied. Exposure to “Absolute Maximum Ratings” for extended period may affect device reliability.

2. Absolute maximum ratings indicate limits, beyond which damage to the component may occur. Electrical specifications do not apply when operating the device outside of its operating ratings.

### Recommended Operating Conditions

Symbol	Description	Min.	Max.	Unit
V <sub>IN</sub>	Input Voltage	-	12	V
T <sub>J</sub>	Operating Junction Temperature Range	0	125	°C

# 5A Low Dropout Linear Regulator

## LD1084 Series

### Electrical Characteristics

(Unless otherwise specified,  $T_J=25^\circ\text{C}$ )

LD1084-ADJ

Symbol	Description	Min.	Typ.	Max.	Unit	Conditions
<b>V<sub>REF</sub></b>	Reference Voltage	1.238	1.250	1.262	V	$I_{OUT}=10\text{mA}$ , $V_{IN}-V_{OUT}=3\text{V}$
		1.225	1.250	1.270	V	$10\text{mA}\leq I_{OUT}\leq 5\text{A}$ , $1.5\text{V}\leq V_{IN}-V_{OUT}\leq 5\text{V}$ , $0^\circ\text{C}\leq T_J\leq 125^\circ\text{C}$
<b><math>\Delta V_{LINE}</math></b>	Line Regulation	-	0.015	0.2	%	$I_{OUT}=10\text{mA}$ , $2.85\text{V}\leq V_{IN}\leq 10\text{V}$
		-	0.035	0.2	%	$I_{OUT}=10\text{mA}$ , $2.85\text{V}\leq V_{IN}\leq 10\text{V}$ , $0^\circ\text{C}\leq T_J\leq 125^\circ\text{C}$
<b><math>\Delta V_{LOAD}</math></b>	Load Regulation	-	0.1	0.3	%	$0\text{mA}\leq I_{OUT}\leq 5\text{A}$ , $V_{IN}-V_{OUT}=3\text{V}$
		-	0.2	0.4	%	$0\text{mA}\leq I_{OUT}\leq 5\text{A}$ , $V_{IN}-V_{OUT}=3\text{V}$ , $0^\circ\text{C}\leq T_J\leq 125^\circ\text{C}$
<b>V<sub>D</sub></b>	Dropout Voltage	-	1.3	1.5	V	$I_{OUT}=5\text{A}$ , $\Delta V_{REF}=1\%$ , $0^\circ\text{C}\leq T_J\leq 125^\circ\text{C}$
<b>I<sub>LIMIT</sub></b>	Current Limit	5.5	6.5	-	A	$V_{IN}-V_{OUT}=3\text{V}$
<b>I<sub>LOAD</sub></b>	Min. Load Current	-	3	10	mA	$V_{IN}=10\text{V}$ , $0^\circ\text{C}\leq T_J\leq 125^\circ\text{C}$
<b>I<sub>Q</sub></b>	Quiescent Current	-	5	10	mA	$V_{IN}=10\text{V}$ , $0^\circ\text{C}\leq T_J\leq 125^\circ\text{C}$
<b><math>\Delta e_N</math></b>	RMS Noise( $\Delta V_{OUT}$ )	-	0.003	-	%	$10\text{Hz}\leq f\leq 100\text{KHz}$
<b>RR</b>	Ripple Rejection	60	72	-	dB	$I_{OUT}=5\text{A}$ , $C_{OUT}=25\mu\text{F}$ (Tantalum) $V_{IN}-V_{OUT}=3\text{V}$ , $f=120\text{Hz}$ , $0^\circ\text{C}\leq T_J\leq 125^\circ\text{C}$
<b>I<sub>ADJ</sub></b>	Adjust Pin Current	-	55	120	$\mu\text{A}$	$I_{OUT}=10\text{mA}$ , $V_{IN}=4.25\text{V}$ , $0^\circ\text{C}\leq T_J\leq 125^\circ\text{C}$
<b><math>\Delta I_{ADJ}</math></b>	Adjust Pin Current Change	-	0.2	5	$\mu\text{A}$	$10\text{mA}\leq I_{OUT}\leq 5\text{A}$ , $1.5\text{V}\leq V_{IN}-V_{OUT}\leq 4.5\text{V}$ , $0^\circ\text{C}\leq T_J\leq 125^\circ\text{C}$
	Temperature Stability	-	0.5	-	%	$I_{OUT}=10\text{mA}$ , $V_{IN}-V_{OUT}=1.5\text{V}$ , $0^\circ\text{C}\leq T_J\leq 125^\circ\text{C}$
	Long-Term Stability	-	0.5	-	%	$T_A=125^\circ\text{C}$ , 1000hours

# 5A Low Dropout Linear Regulator

## LD1084 Series

### LD1084-1.5

Symbol	Description	Min.	Typ.	Max.	Unit	Conditions
<b>V<sub>OUT</sub></b>	Output Voltage	1.485	1.5	1.515	V	I <sub>OUT</sub> =0mA, V <sub>IN</sub> =4.5V
		1.47	1.5	1.53	V	10mA ≤ I <sub>OUT</sub> ≤ 5A, 3V ≤ V <sub>IN</sub> -V <sub>OUT</sub> ≤ 6V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔV<sub>LINE</sub></b>	Line Regulation	-	0.5	6	mV	I <sub>OUT</sub> =10mA, 3V ≤ V <sub>IN</sub> ≤ 10V
		-	1	6	mV	I <sub>OUT</sub> =10mA, 3V ≤ V <sub>IN</sub> ≤ 10V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔV<sub>LOAD</sub></b>	Load Regulation	-	3	15	mV	0mA ≤ I <sub>OUT</sub> ≤ 5A, V <sub>IN</sub> -V <sub>OUT</sub> =3V
		-	7	20	mV	0mA ≤ I <sub>OUT</sub> ≤ 5A, V <sub>IN</sub> -V <sub>OUT</sub> =3V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>V<sub>D</sub></b>	Dropout Voltage	-	1.3	1.5	V	I <sub>OUT</sub> =5A, ΔV <sub>OUT</sub> =1%, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>I<sub>LIMIT</sub></b>	Current Limit	5.5	6.5	-	A	V <sub>IN</sub> -V <sub>OUT</sub> =3V
<b>I<sub>Q</sub></b>	Quiescent Current	-	5	10	mA	V <sub>IN</sub> = 10V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>Δe<sub>N</sub></b>	RMS Noise(ΔV <sub>OUT</sub> )	-	0.003	-	%	10Hz ≤ f ≤ 100KHz
<b>RR</b>	Ripple Rejection	60	72	-	dB	I <sub>OUT</sub> =5A, C <sub>OUT</sub> =25uF(Tantalum) V <sub>IN</sub> -V <sub>OUT</sub> =3V, f=120Hz, 0°C ≤ T <sub>J</sub> ≤ 125°C
	Temperature Stability	-	0.5	-	%	I <sub>OUT</sub> =10mA, V <sub>IN</sub> -V <sub>OUT</sub> =1.5V, 0°C ≤ T <sub>J</sub> ≤ 125°C
	Long-Term Stability	-	0.5	-	%	T <sub>A</sub> =125°C, 1000hours

# 5A Low Dropout Linear Regulator

## LD1084 Series

### LD1084-1.8

Symbol	Description	Min.	Typ.	Max.	Unit	Conditions
<b>V<sub>OUT</sub></b>	Output Voltage	1.782	1.8	1.818	V	I <sub>OUT</sub> =0mA, V <sub>IN</sub> =4.8V
		1.764	1.8	1.836	V	10mA ≤ I <sub>OUT</sub> ≤ 5A, 3.3V ≤ V <sub>IN</sub> -V <sub>OUT</sub> ≤ 6V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔV<sub>LINE</sub></b>	Line Regulation	-	0.5	6	mV	I <sub>OUT</sub> =10mA, 3.3V ≤ V <sub>IN</sub> ≤ 10V
		-	1	6	mV	I <sub>OUT</sub> =10mA, 3.3V ≤ V <sub>IN</sub> ≤ 10V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔV<sub>LOAD</sub></b>	Load Regulation	-	3	15	mV	0mA ≤ I <sub>OUT</sub> ≤ 5A, V <sub>IN</sub> -V <sub>OUT</sub> =3V
		-	7	20	mV	0mA ≤ I <sub>OUT</sub> ≤ 5A, V <sub>IN</sub> -V <sub>OUT</sub> =3V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>V<sub>D</sub></b>	Dropout Voltage	-	1.3	1.5	V	I <sub>OUT</sub> =5A, ΔV <sub>OUT</sub> =1%, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>I<sub>LIMIT</sub></b>	Current Limit	5.5	6.5	-	A	V <sub>IN</sub> -V <sub>OUT</sub> =3V
<b>I<sub>Q</sub></b>	Quiescent Current	-	5	10	mA	V <sub>IN</sub> = 10V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔeN</b>	RMS Noise(ΔV <sub>OUT</sub> )	-	0.003	-	%	10Hz ≤ f ≤ 100KHz
<b>RR</b>	Ripple Rejection	60	72	-	dB	I <sub>OUT</sub> =5A, C <sub>OUT</sub> =25uF(Tantalum) V <sub>IN</sub> -V <sub>OUT</sub> =3V, f=120Hz, 0°C ≤ T <sub>J</sub> ≤ 125°C
	Temperature Stability	-	0.5	-	%	I <sub>OUT</sub> =10mA, V <sub>IN</sub> -V <sub>OUT</sub> =1.5V, 0°C ≤ T <sub>J</sub> ≤ 125°C
	Long-Term Stability	-	0.5	-	%	T <sub>A</sub> =125°C, 1000hours

# 5A Low Dropout Linear Regulator

## LD1084 Series

### LD1084-2.5

Symbol	Description	Min.	Typ.	Max.	Unit	Conditions
<b>V<sub>OUT</sub></b>	Output Voltage	2.475	2.5	2.525	V	I <sub>OUT</sub> =0mA, V <sub>IN</sub> =5.5V
		2.45	2.5	2.55	V	10mA ≤ I <sub>OUT</sub> ≤ 5A, 4.0V ≤ V <sub>IN</sub> -V <sub>OUT</sub> ≤ 7V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔV<sub>LINE</sub></b>	Line Regulation	-	0.5	6	mV	I <sub>OUT</sub> =10mA, 4V ≤ V <sub>IN</sub> ≤ 10V
		-	1	6	mV	I <sub>OUT</sub> =10mA, 4V ≤ V <sub>IN</sub> ≤ 10V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔV<sub>LOAD</sub></b>	Load Regulation	-	3	15	mV	0mA ≤ I <sub>OUT</sub> ≤ 5A, V <sub>IN</sub> -V <sub>OUT</sub> =3V
		-	7	20	mV	0mA ≤ I <sub>OUT</sub> ≤ 5A, V <sub>IN</sub> -V <sub>OUT</sub> =3V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>V<sub>D</sub></b>	Dropout Voltage	-	1.3	1.5	V	I <sub>OUT</sub> =5A, ΔV <sub>OUT</sub> =1%, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>I<sub>LIMIT</sub></b>	Current Limit	5.5	6.5	-	A	V <sub>IN</sub> -V <sub>OUT</sub> =3V
<b>I<sub>Q</sub></b>	Quiescent Current	-	5	10	mA	V <sub>IN</sub> = 10V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔeN</b>	RMS Noise(ΔV <sub>OUT</sub> )	-	0.003	-	%	10Hz ≤ f ≤ 100KHz
<b>RR</b>	Ripple Rejection	60	72	-	dB	I <sub>OUT</sub> =5A, C <sub>OUT</sub> =25uF(Tantalum) V <sub>IN</sub> -V <sub>OUT</sub> =3V, f=120Hz, 0°C ≤ T <sub>J</sub> ≤ 125°C
	Temperature Stability	-	0.5	-	%	I <sub>OUT</sub> =10mA, V <sub>IN</sub> -V <sub>OUT</sub> =1.5V, 0°C ≤ T <sub>J</sub> ≤ 125°C
	Long-Term Stability	-	0.5	-	%	T <sub>A</sub> =125°C, 1000hours



# 5A Low Dropout Linear Regulator

## LD1084 Series

### LD1084-3.3

Symbol	Description	Min.	Typ.	Max.	Unit	Conditions
<b>V<sub>OUT</sub></b>	Output Voltage	3.267	3.3	3.333	V	I <sub>OUT</sub> =0mA, V <sub>IN</sub> =6.3V
		3.234	3.3	3.366	V	10mA ≤ I <sub>OUT</sub> ≤ 5A, 4.8V ≤ V <sub>IN</sub> -V <sub>OUT</sub> ≤ 8V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔV<sub>LINE</sub></b>	Line Regulation	-	0.5	6	mV	I <sub>OUT</sub> =10mA, 4.8V ≤ V <sub>IN</sub> ≤ 10V
		-	1	6	mV	I <sub>OUT</sub> =10mA, 4.8V ≤ V <sub>IN</sub> ≤ 10V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔV<sub>LOAD</sub></b>	Load Regulation	-	3	15	mV	0mA ≤ I <sub>OUT</sub> ≤ 5A, V <sub>IN</sub> -V <sub>OUT</sub> =3V
		-	7	20	mV	0mA ≤ I <sub>OUT</sub> ≤ 5A, V <sub>IN</sub> -V <sub>OUT</sub> =3V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>V<sub>D</sub></b>	Dropout Voltage	-	1.3	1.5	V	I <sub>OUT</sub> =5A, ΔV <sub>OUT</sub> =1%, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>I<sub>LIMIT</sub></b>	Current Limit	5.5	6.5	-	A	V <sub>IN</sub> -V <sub>OUT</sub> =3V
<b>I<sub>Q</sub></b>	Quiescent Current	-	5	10	mA	V <sub>IN</sub> = 10V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔeN</b>	RMS Noise(ΔV <sub>OUT</sub> )	-	0.003	-	%	10Hz ≤ f ≤ 100KHz
<b>RR</b>	Ripple Rejection	60	72	-	dB	I <sub>OUT</sub> =5A, C <sub>OUT</sub> =25uF(Tantalum) V <sub>IN</sub> -V <sub>OUT</sub> =3V, f=120Hz, 0°C ≤ T <sub>J</sub> ≤ 125°C
	Temperature Stability	-	0.5	-	%	I <sub>OUT</sub> =10mA, V <sub>IN</sub> -V <sub>OUT</sub> =1.5V, 0°C ≤ T <sub>J</sub> ≤ 125°C
	Long-Term Stability	-	0.5	-	%	T <sub>A</sub> =125°C, 1000hours

# 5A Low Dropout Linear Regulator

## LD1084 Series

### LD1084-5.0

Symbol	Description	Min.	Typ.	Max.	Unit	Conditions
<b>V<sub>OUT</sub></b>	Output Voltage	4.95	5	5.05	V	I <sub>OUT</sub> =0mA, V <sub>IN</sub> =8V
		4.9	5	5.1	V	10mA ≤ I <sub>OUT</sub> ≤ 5A, 6.5V ≤ V <sub>IN</sub> -V <sub>OUT</sub> ≤ 10V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔV<sub>LINE</sub></b>	Line Regulation	-	0.5	10	mV	I <sub>OUT</sub> =10mA, 6.5V ≤ V <sub>IN</sub> ≤ 10V
		-	1	10	mV	I <sub>OUT</sub> =10mA, 6.5V ≤ V <sub>IN</sub> ≤ 10V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔV<sub>LOAD</sub></b>	Load Regulation	-	5	20	mV	0mA ≤ I <sub>OUT</sub> ≤ 5A, V <sub>IN</sub> -V <sub>OUT</sub> =3V
		-	10	35	mV	0mA ≤ I <sub>OUT</sub> ≤ 5A, V <sub>IN</sub> -V <sub>OUT</sub> =3V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>V<sub>D</sub></b>	Dropout Voltage	-	1.3	1.5	V	I <sub>OUT</sub> =5A, ΔV <sub>OUT</sub> =1%, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>I<sub>LIMIT</sub></b>	Current Limit	5.5	6.5	-	A	V <sub>IN</sub> -V <sub>OUT</sub> =3V
<b>I<sub>Q</sub></b>	Quiescent Current	-	5	10	mA	V <sub>IN</sub> = 10V, 0°C ≤ T <sub>J</sub> ≤ 125°C
<b>ΔeN</b>	RMS Noise(ΔV <sub>OUT</sub> )	-	0.003	-	%	10Hz ≤ f ≤ 100KHz
<b>RR</b>	Ripple Rejection	60	72	-	dB	I <sub>OUT</sub> =5A, C <sub>OUT</sub> =25uF(Tantalum) V <sub>IN</sub> -V <sub>OUT</sub> =3V, f=120Hz, 0°C ≤ T <sub>J</sub> ≤ 125°C
	Temperature Stability	-	0.5	-	%	I <sub>OUT</sub> =10mA, V <sub>IN</sub> -V <sub>OUT</sub> =1.5V, 0°C ≤ T <sub>J</sub> ≤ 125°C
	Long-Term Stability	-	0.5	-	%	T <sub>A</sub> =125°C, 1000hours

### Typical Characteristics Curves

Fig.1- Dropout Voltage vs. Output Current

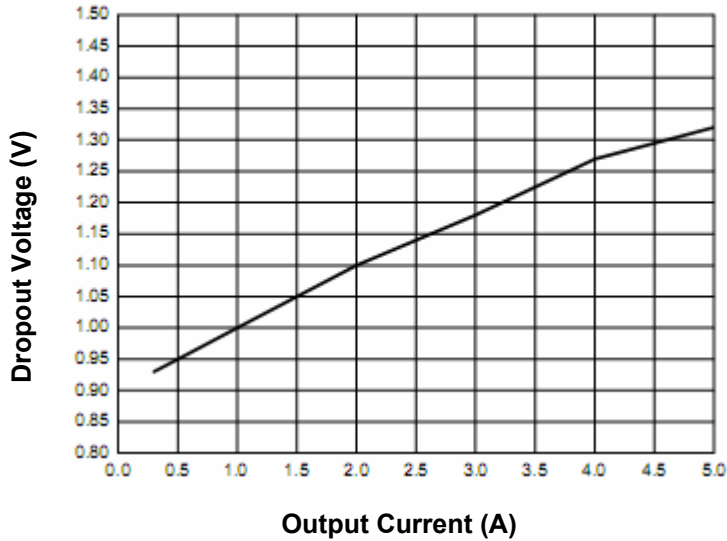


Fig.2- Output Voltage vs. Junction Temperature

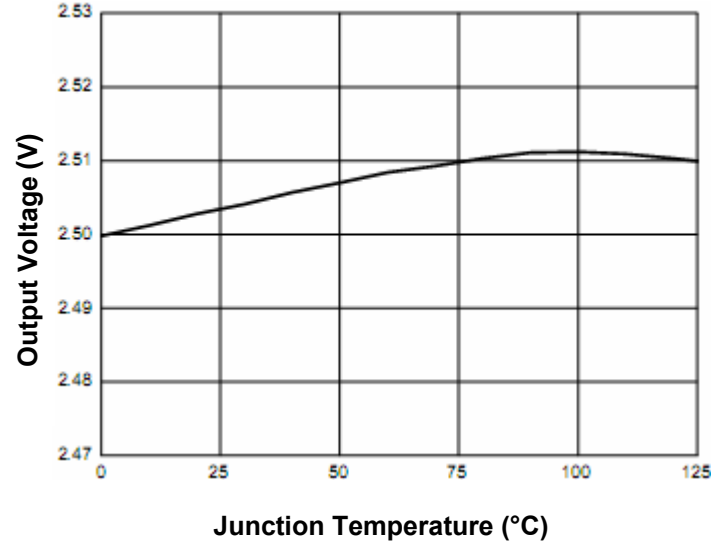


Fig.3- Reference Voltage vs. Junction Temperature

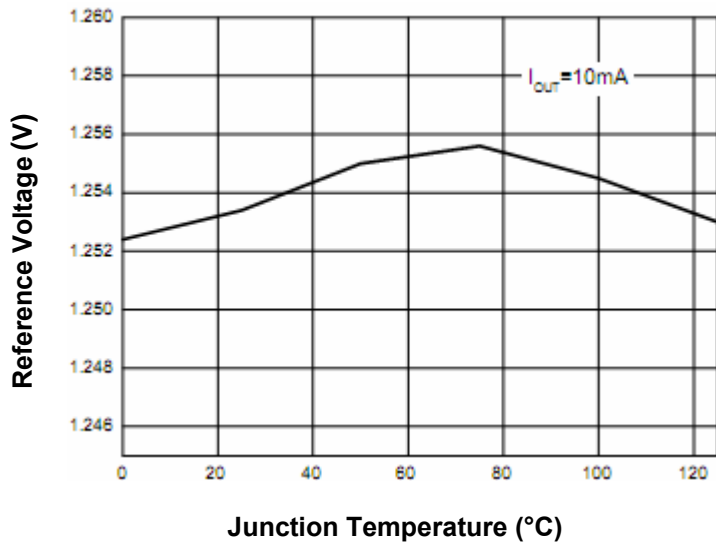
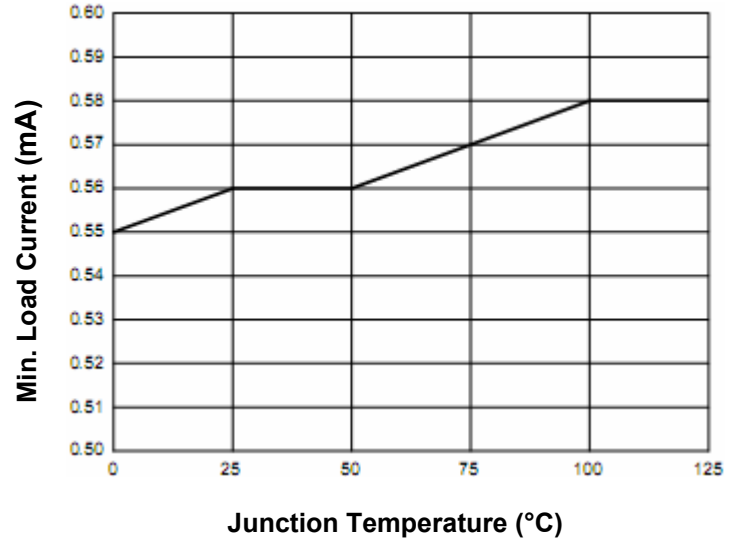


Fig.4- Min. Load Current vs. Junction Temperature



# 5A Low Dropout Linear Regulator

## LD1084 Series

Fig.5- Adjust Pin Current vs. Junction Temperature

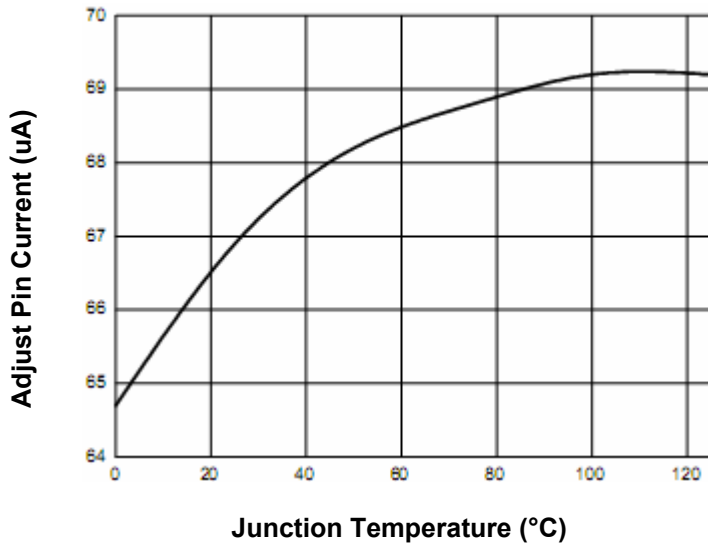


Fig.6- Power Dissipation vs. Case Temperature

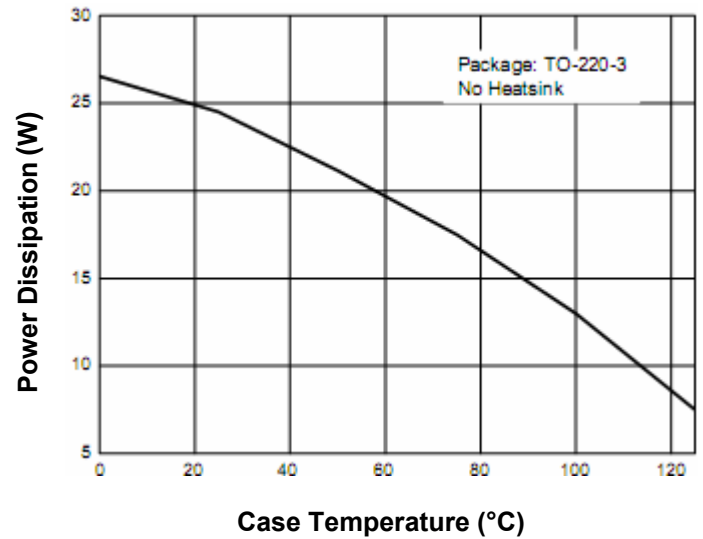


Fig.7- Line Regulation vs. Junction Temperature

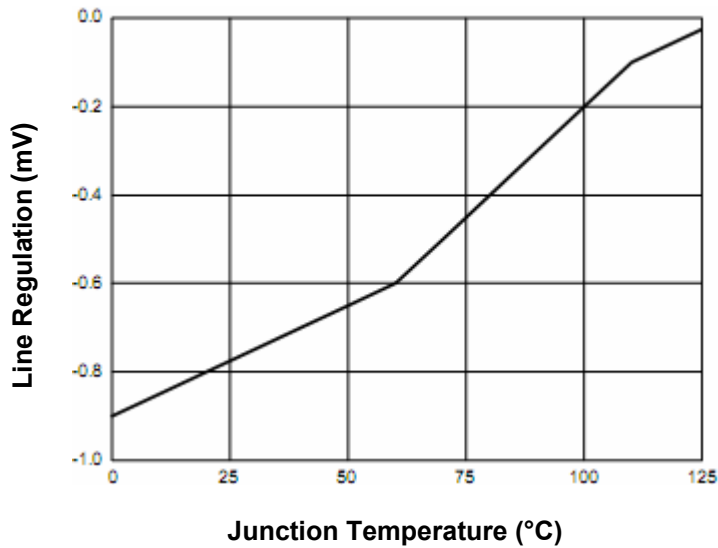
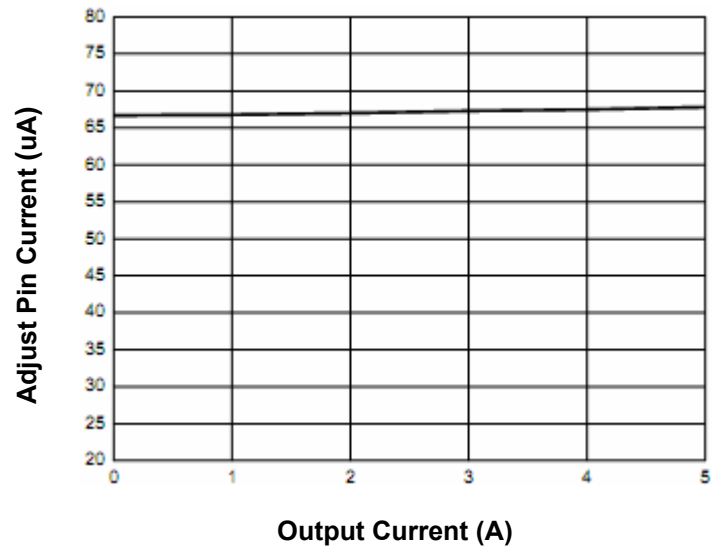


Fig.8- Adjust Pin Current vs. Output Current



# 5A Low Dropout Linear Regulator

## LD1084 Series

Fig.9- Dropout Voltage vs. Junction Temperature

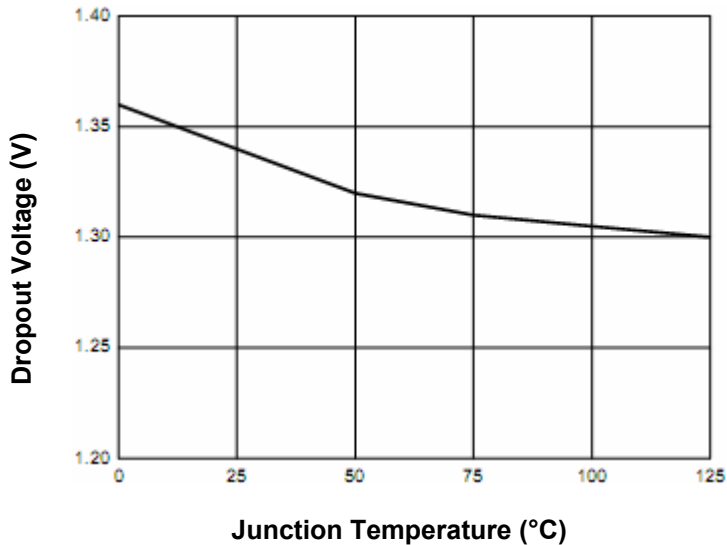


Fig.10- Short Circuit Current vs. Dropout Voltage

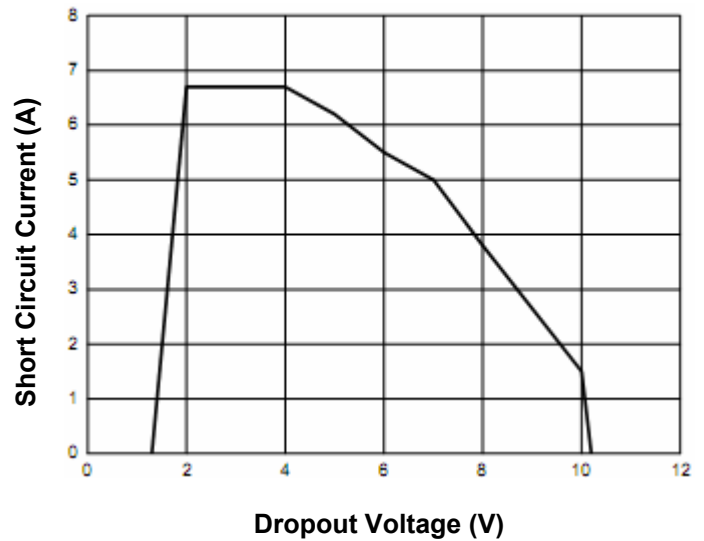
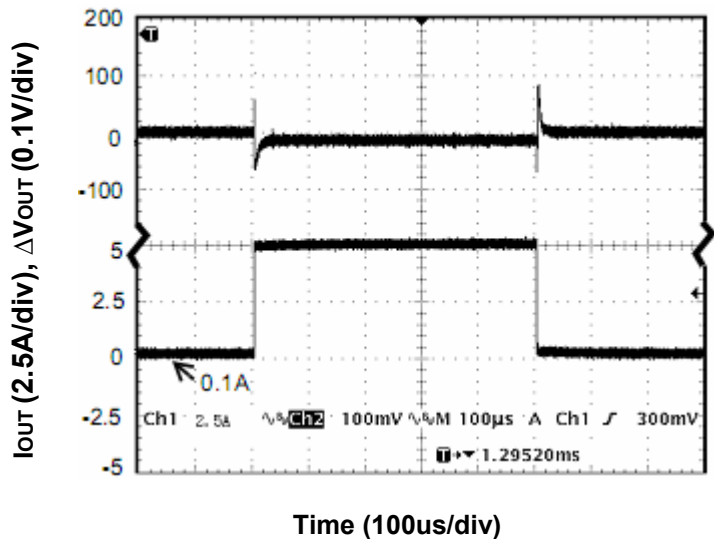
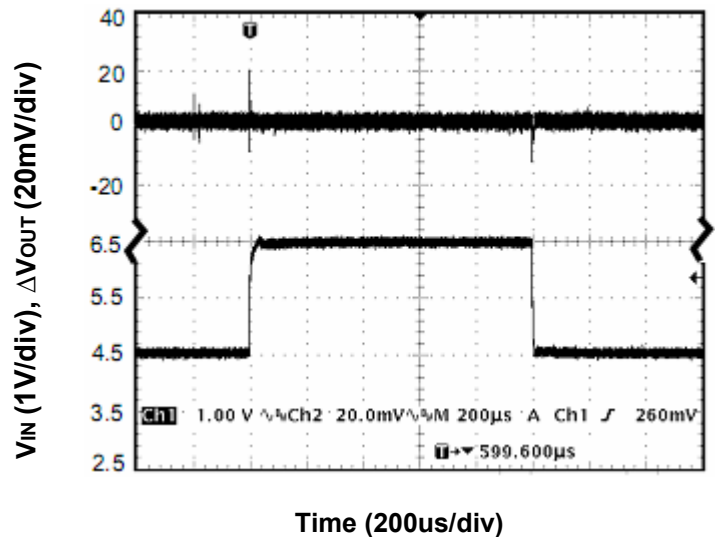


Fig.11- Load Transient Response



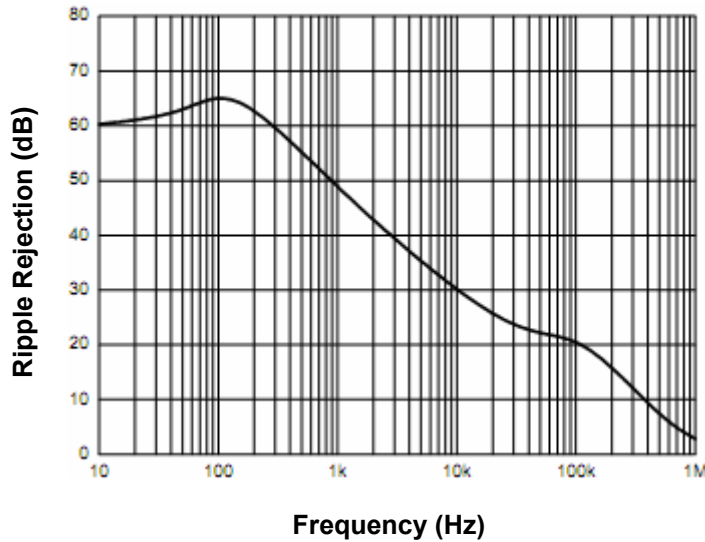
Conditions:  $V_{IN}=5.5V$ ,  $V_{OUT}=2.5V$ ,  
 $I_{OUT}=10mA$  to  $5A$ ,  
 $C_{IN}=10\mu F$ ,  $C_{OUT}=10\mu F$

Fig.12- Line Transient Response

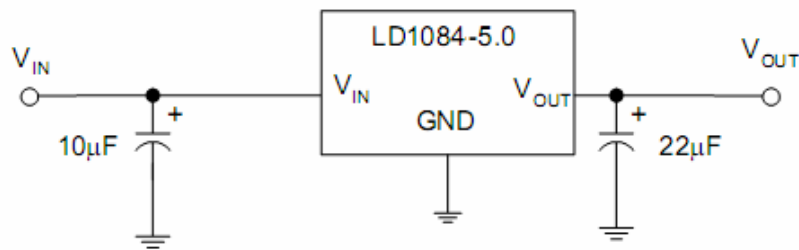
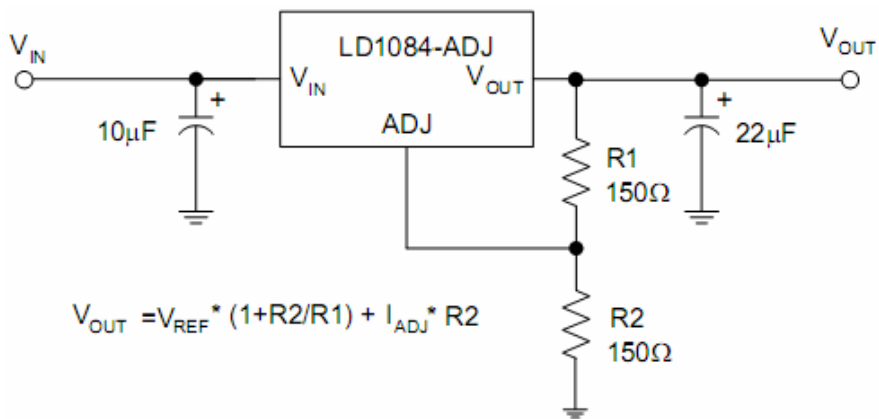


Conditions:  $V_{IN}=4.5V$  to  $6.5V$ ,  $V_{OUT}=2.5V$ ,  
 $I_{OUT}=200mA$ ,  $C_{OUT}=10\mu F$

Fig.13- Ripple Rejection vs. Frequency



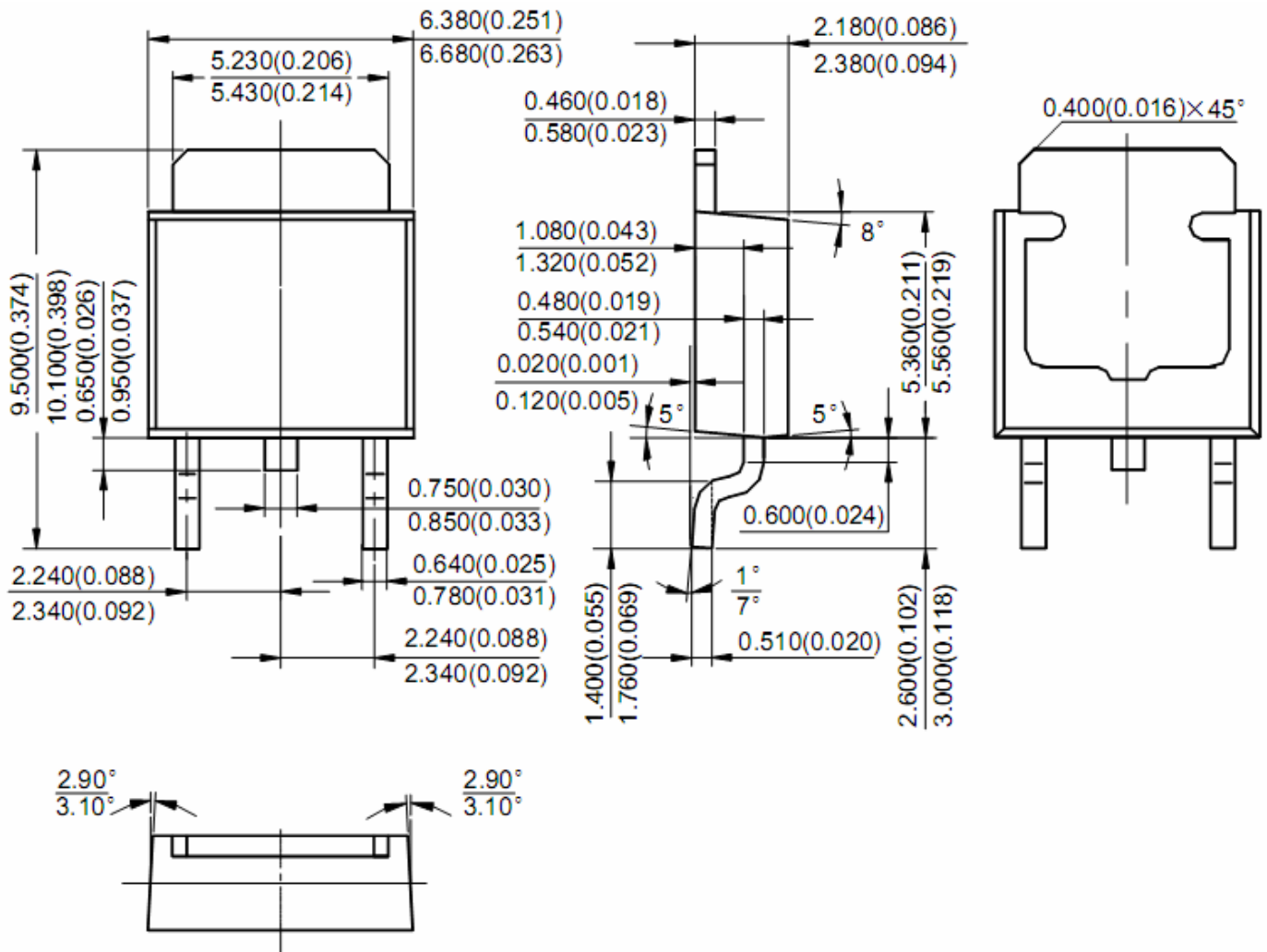
### Typical Applications



# 5A Low Dropout Linear Regulator

## LD1084 Series

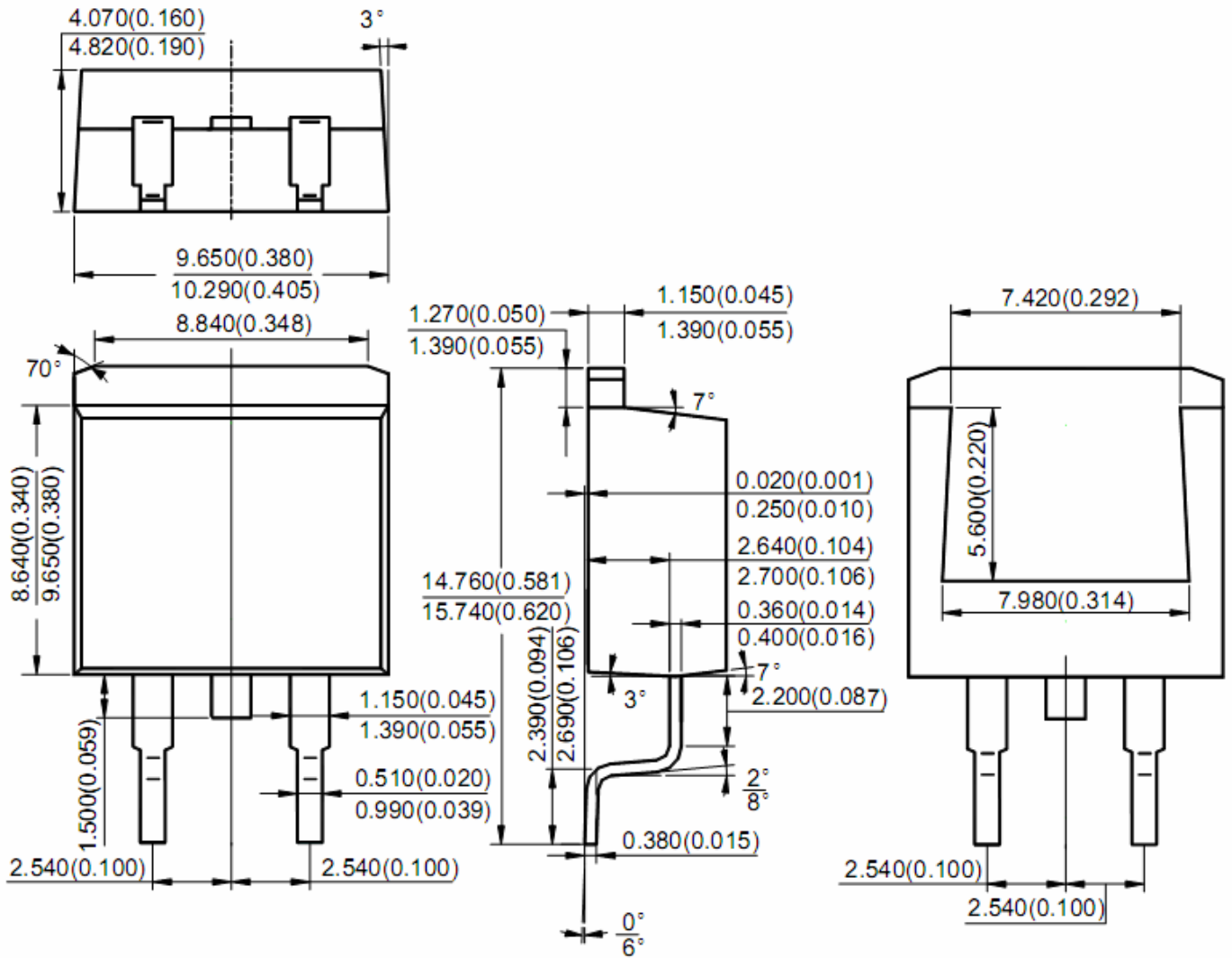
### Dimensions in mm(inch)



DPAK(TO-252-2)

# 5A Low Dropout Linear Regulator

## LD1084 Series

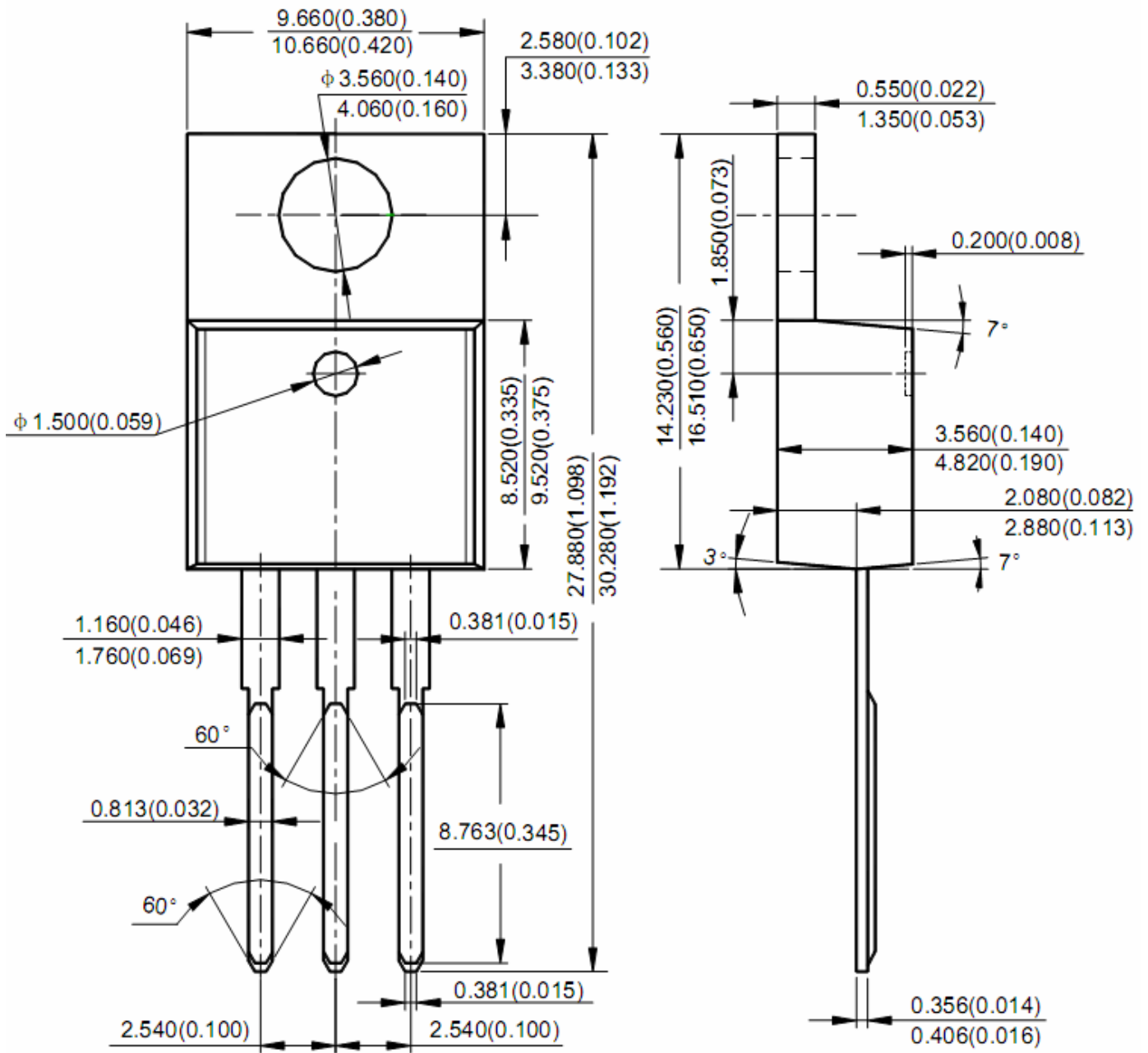


D<sup>2</sup>PAK-2(TO-263-2)



# 5A Low Dropout Linear Regulator

## LD1084 Series



TO-220

### How to contact us:

#### **US HEADQUARTERS**

28040 WEST HARRISON PARKWAY, VALENCIA, CA 91355-4162

Tel: (800) TAITRON (800) 824-8766 (661) 257-6060

Fax: (800) TAITFAX (800) 824-8329 (661) 257-6415

Email: [taitron@taitroncomponents.com](mailto:taitron@taitroncomponents.com)

Http://[www.taitroncomponents.com](http://www.taitroncomponents.com)

#### **TAITRON COMPONENTS MEXICO, S.A .DE C.V.**

BOULEVARD CENTRAL 5000 INTERIOR 5 PARQUE INDUSTRIAL ATITALAQUIA, HIDALGO C.P.  
42970 MEXICO

Tel: +52-55-5560-1519

Fax: +52-55-5560-2190

#### **TAITRON COMPONETS INCORPORATED E REPRESENTAÇÕES DO BRASIL LTDA**

RUA DOMINGOS DE MORAIS, 2777, 2.ANDAR, SALA 24 SAÚDE - SÃO PAULO-SP 04035-001 BRAZIL

Tel: +55-11-5574-7949

Fax: +55-11-5572-0052

#### **TAITRON COMPONETS INCORPORATED, SHANGHAI REPRESENTATIVE OFFICE**

METROBANK PLAZA, 1160 WEST YAN' AN ROAD, SUITE 1503, SHANGHAI, 200052, CHINA

Tel: +86-21-5424-9942

Fax: +86-21-5424-9931