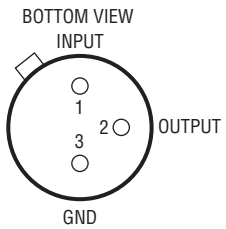
200°C Voltage Reference

FEATURES

- 100% Tested at 200°C
- Absolute Maximum Operating Temperature: 225°C
- Guaranteed Temperature Coefficient

PIN CONFIGURATION



H PACKAGE
3-LEAD TO-52 METAL CAN

T_{JMAX} = 225°C, θ_{JA} = 360°C/W

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All other trademarks are the property of their respective owners.

ORDER INFORMATION

LEAD FREE FINISH	PART MARKING	PACKAGE DESCRIPTION	TEMPERATURE RANGE
LT580XH#PBF	LT580UH	3-Lead TO-52 Metal Can	–55°C to 200°C

For more information on lead free part marking, go to: http://www.linear.com/leadfree/
This product is only offered in trays. For more information go to: http://www.linear.com/packaging/

ELECTRICAL CHARACTERISTICS V_{IN} = 15V, (Note 1)

SYMBOL	PARAMETER	CONDITIONS	MIN/MAX 25°C	TYP 150°C	TYP 175°C	MIN/MAX 200°C	UNITS
V_R	Output Voltage	Min Max	2.490 2.510	2.505	2.508	2.475 2.525	V V
TC	Temperature Coefficient	–55°C ≤ T_A ≤ 125°C 125°C to 150°C 150°C to 175°C 125°C to 200°C	10	25	90	150*	ppm/°C ppm/°C ppm/°C ppm/°C
$\frac{\Delta V_{OUT}}{\Delta V_{IN}}$	Line Regulation	7V ≤ V_{IN} ≤ 30V 4.5V ≤ V_{IN} ≤ 7V	2 1	5 2	10 3	40 6	mV mV
$\frac{\Delta V_{OUT}}{\Delta I_{OUT}}$	Load Regulation (Sourcing)	0mA ≤ I_{OUT} ≤ 10mA	10	15	100	230*	mV
I_Q	Quiescent Current		1.0	1.5	1.8	2.5	mA

*Not tested

Note 1: Devices are 100% tested at 200°C ±3° to the limits shown. Since parameters change rapidly with temperature, devices are guaranteed at 190°C ±3°C and QA testing is done at 190°C ±3°. For normal operating temperature range specifications please see the LT580 data sheet.

Information furnished by Linear Technology Corporation is believed to be accurate and reliable. However, no responsibility is assumed for its use. Linear Technology Corporation makes no representation that the interconnection of its circuits as described herein will not infringe on existing patent rights.

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