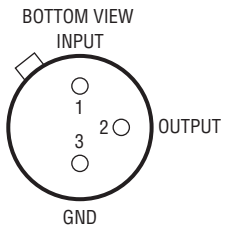
200°C Voltage Reference

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

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.

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