

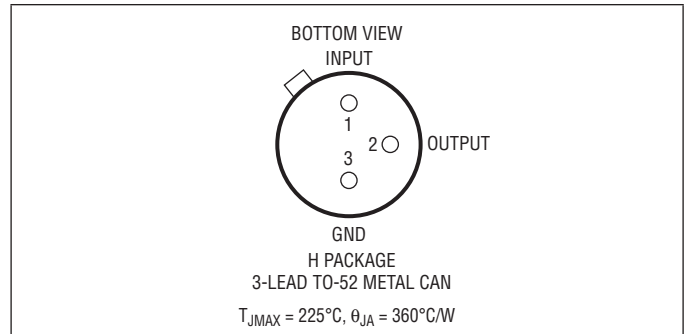


**THE DATASHEET OF  
LT580XH#PBF**



**FEATURES**

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

**PIN CONFIGURATION**


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**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**  $V_{IN} = 15\text{V}$ , (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 2.490 Max 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	$7\text{V} \leq V_{IN} \leq 30\text{V}$ $4.5\text{V} \leq V_{IN} \leq 7\text{V}$	2 1	5 2	10 3	40 6	mV mV
$\frac{\Delta V_{OUT}}{\Delta I_{OUT}}$	Load Regulation (Sourcing)	$0\text{mA} \leq I_{OUT} \leq 10\text{mA}$	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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