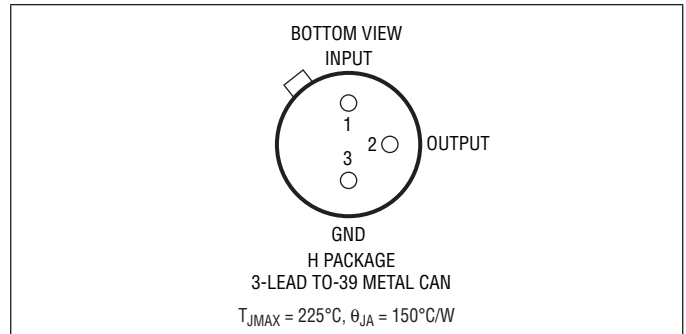


**FEATURES**

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

**PIN CONFIGURATION**


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**ORDER INFORMATION**

ORDER PART NUMBER	PART MARKING	PACKAGE DESCRIPTION	TEMPERATURE RANGE
LT581XH	LT581UH	3-Lead TO-39 Metal Can	-55°C to 200°C

These parts are only available in SnPb finish.

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	9.970 10.030	10.020	10.032	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	$15V \leq V_{IN} \leq 30V$ $13V \leq V_{IN} \leq 15V$	3 1	8 2	15 5	60 10	mV mV
$\frac{\Delta V_{OUT}}{\Delta I_{OUT}}$	Load Regulation (Sourcing)	$0mA \leq I_{OUT} \leq 5mA$	0.5	0.8	10	60*	mV/mA
$I_Q$	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 [LT581](#) 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.