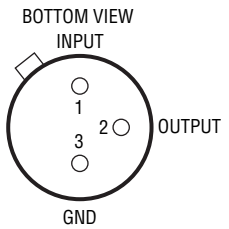
200°C Voltage Reference

FEATURES

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

PIN CONFIGURATION



H PACKAGE
3-LEAD TO-39 METAL CAN

T_{JMAX} = 225°C, θ_{JA} = 150°C/W

ORDER INFORMATION

ORDER PART NUMBER	PART MARKING	PACKAGE DESCRIPTION	TEMPERATURE RANGE
LT582XH	LT582UH	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	4.985 5.015	5.010	5.016	4.950 5.050	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	10V ≤ V_{IN} ≤ 30V 8V ≤ V_{IN} ≤ 10V	2 1	6 2	8 3	30 5	mV mV
$\frac{\Delta V_{OUT}}{\Delta I_{OUT}}$	Load Regulation (Sourcing)	0mA ≤ I_{OUT} ≤ 5mA	0.4	0.6	5	30*	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°.

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